

FIG. 1A

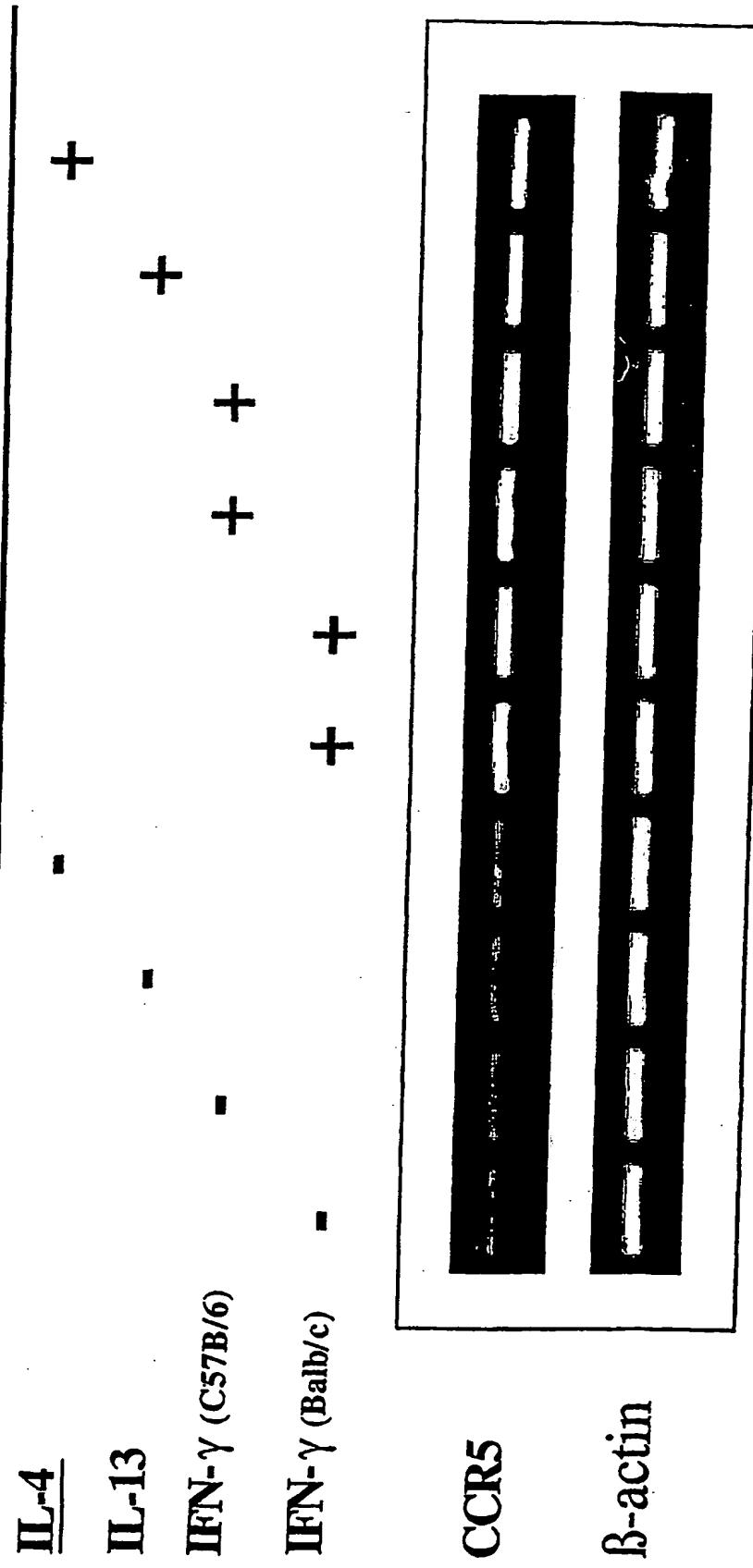
RT-PCR for CCR5 gene

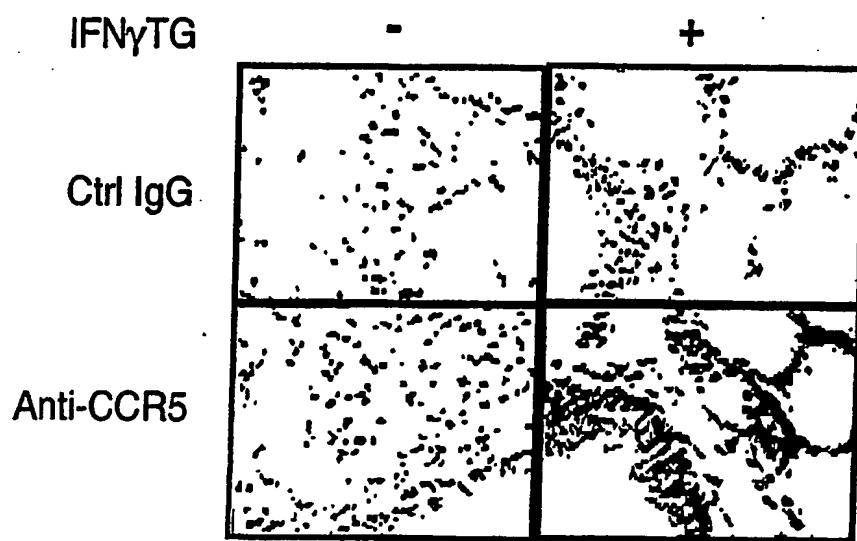
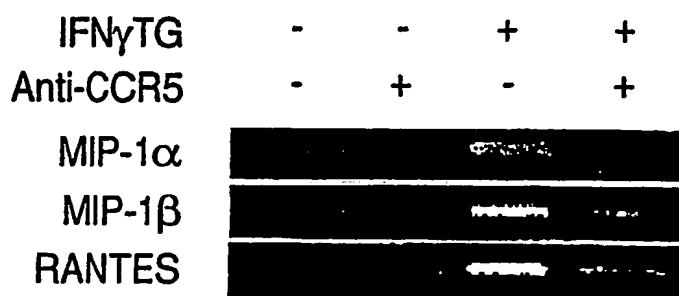
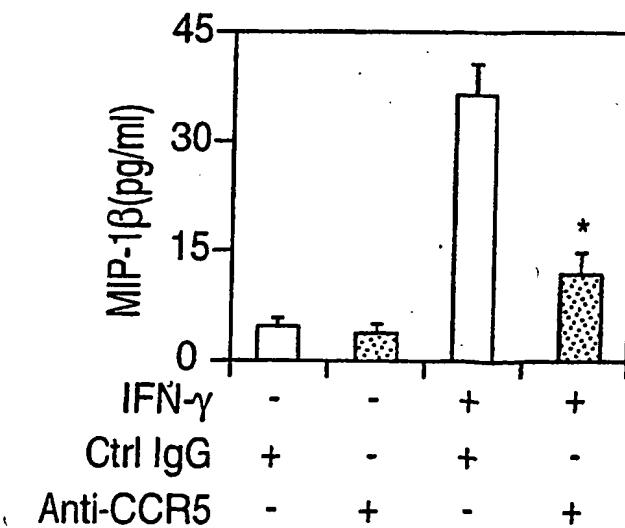
FIG. 1B

FIG. 2A**FIG. 2B****BEST AVAILABLE COPY**

BAL total cell count of IFN- γ mice after
blocking and null mutation of CCR5

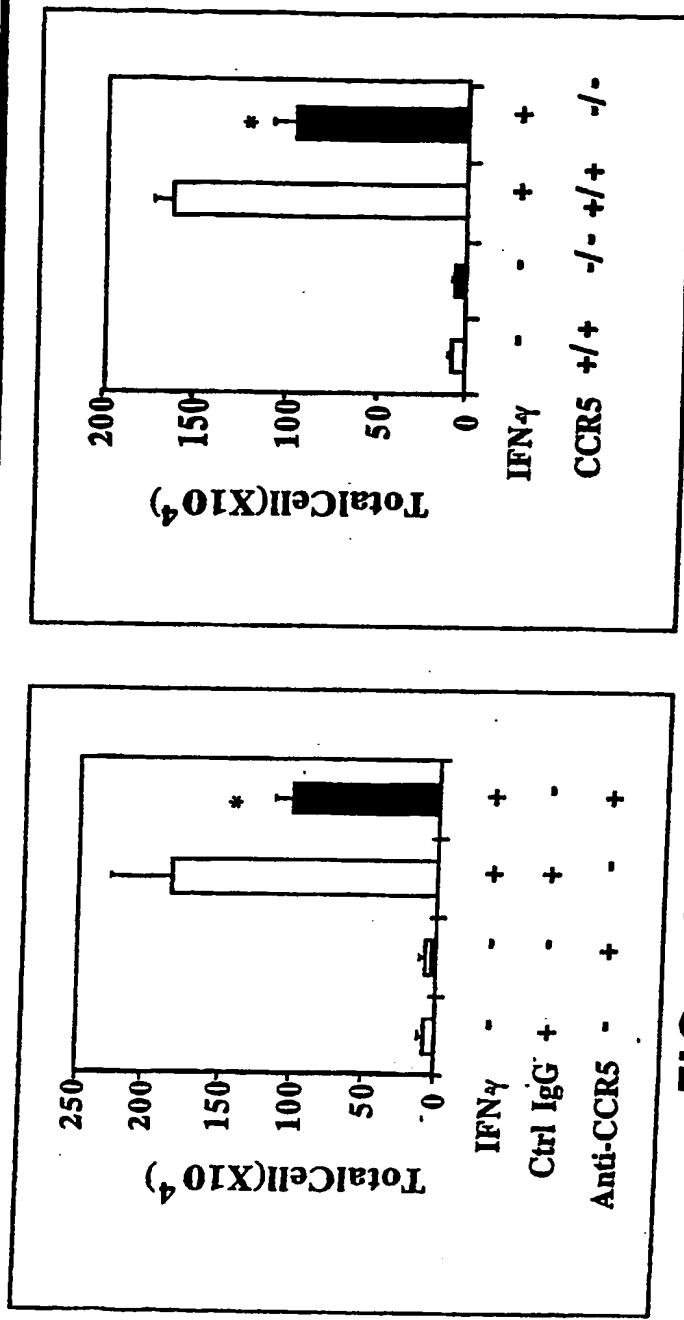


FIG. 3B

FIG. 3A

BEST AVAILABLE COPY

Lung volume change of INF- γ mice after blocking and null mutation of CC receptor 5

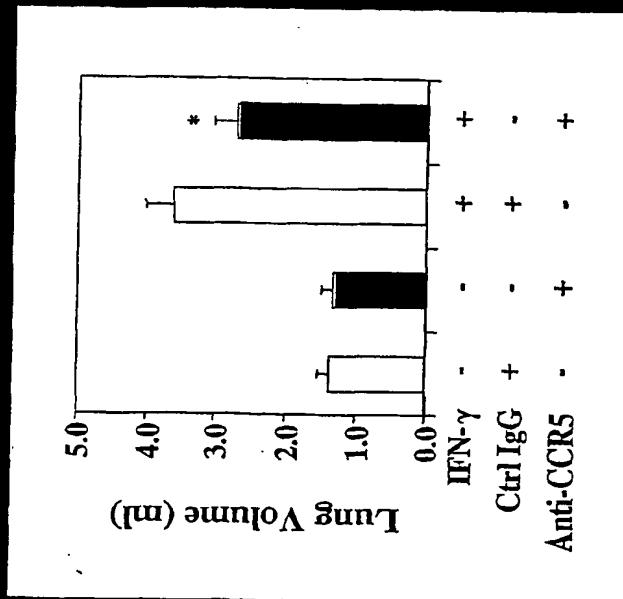


Fig. 4A

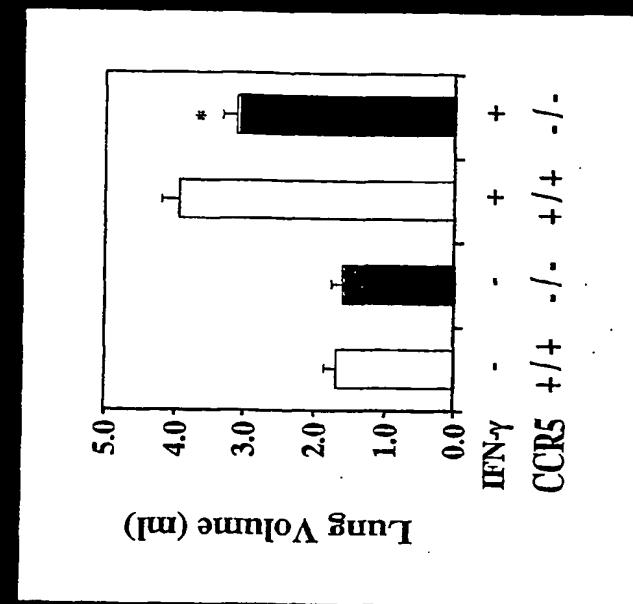
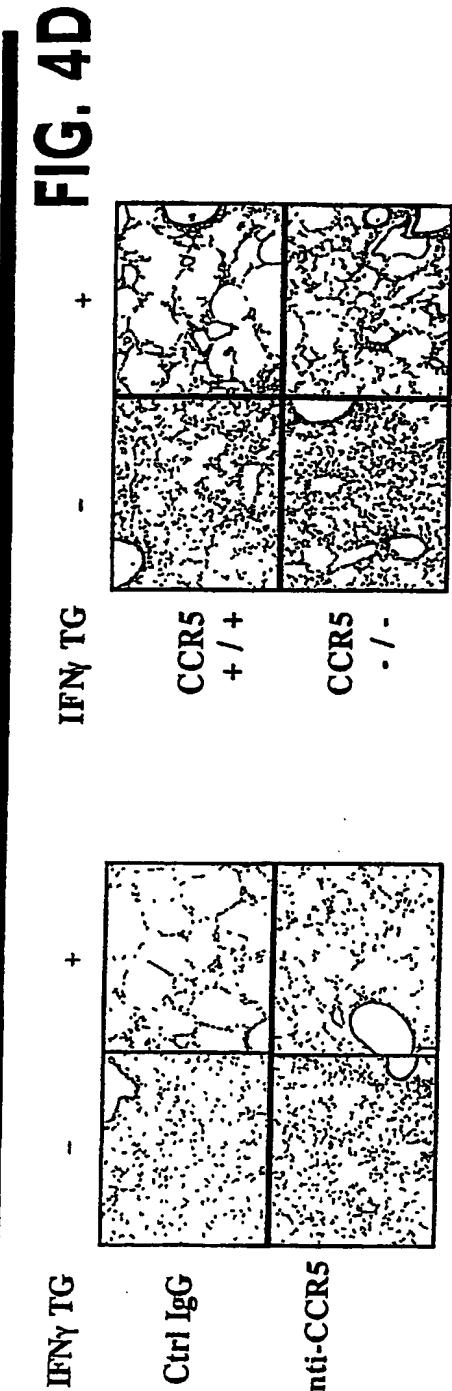
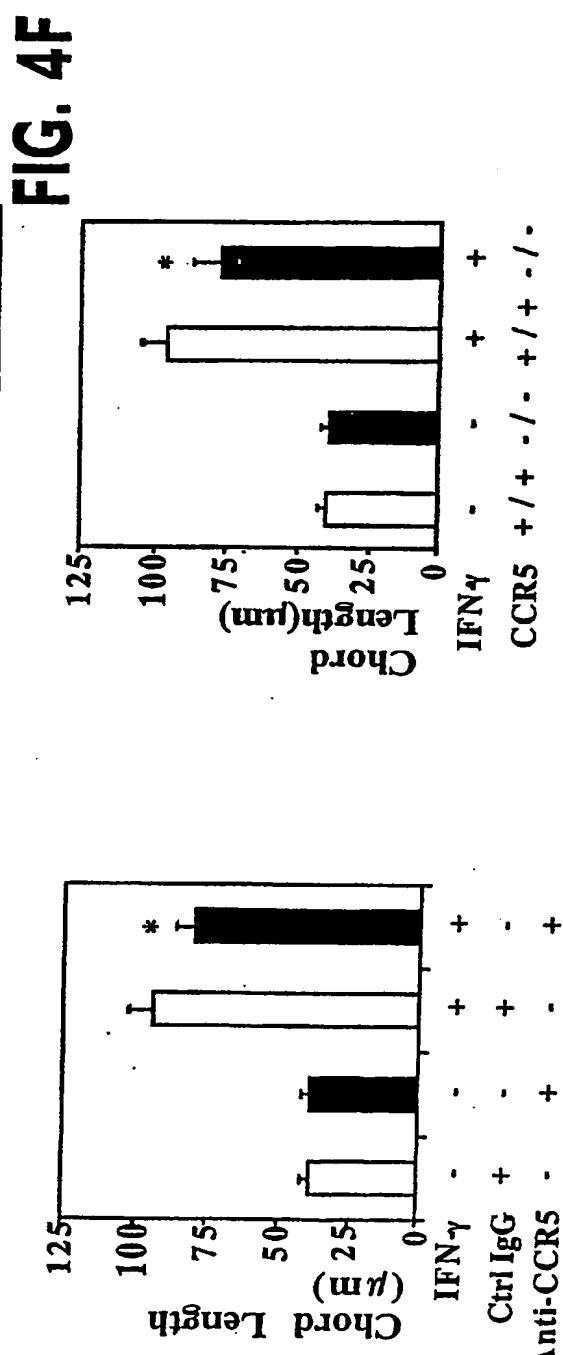


Fig. 4B

Blocking and Null Mutation of CCR5 In CC10-IFN- γ Mouse Lung

**FIG. 4D**

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**BAL IFN- γ level of CC10-IFN- γ mice after
blocking and null mutation of CCR5**

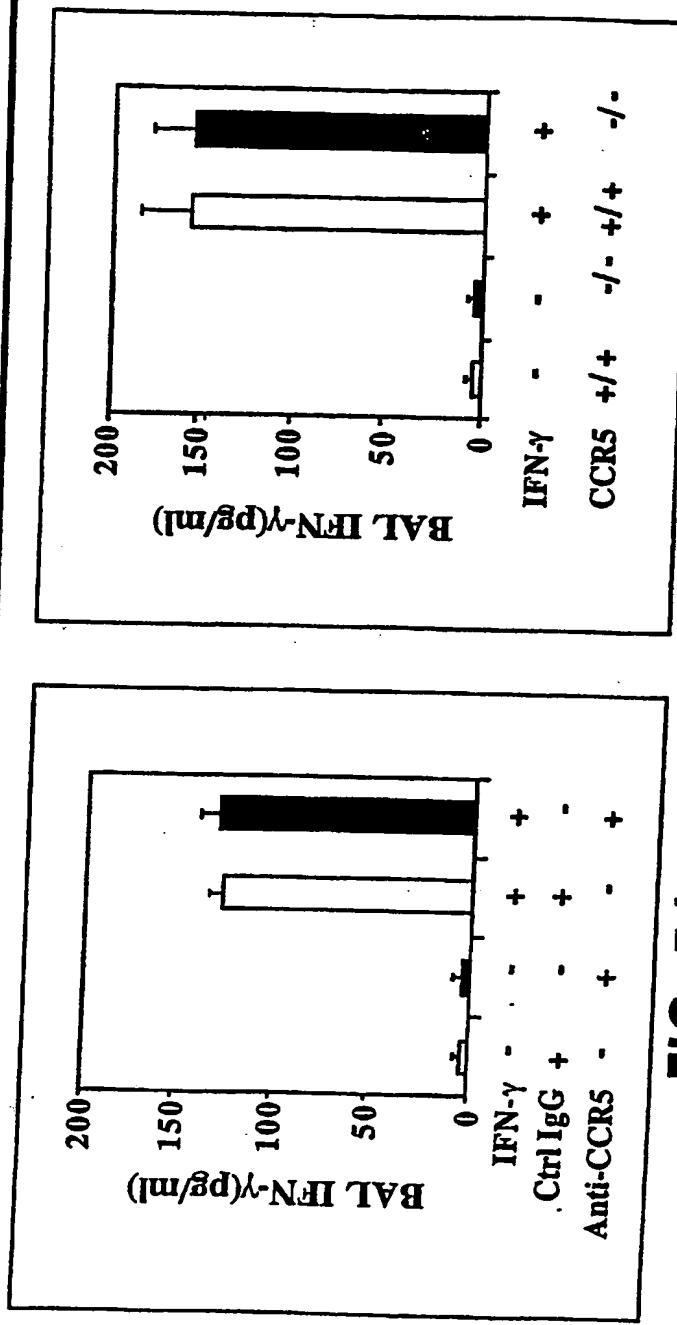
**FIG. 5A****FIG. 5B**

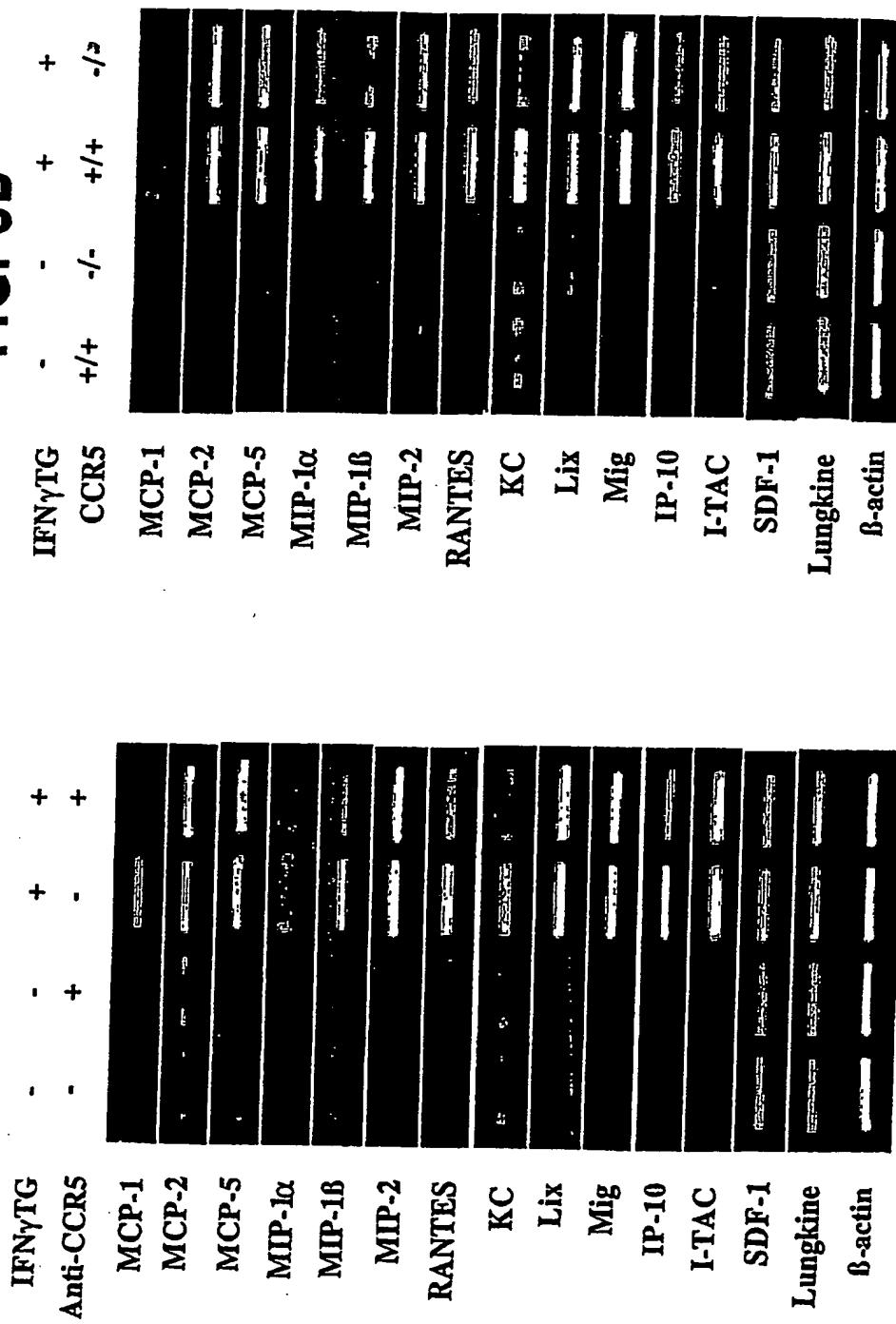
FIG. 6A**BEST AVAILABLE COPY**

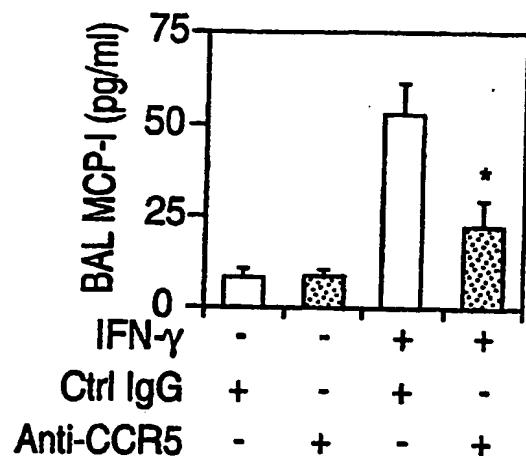
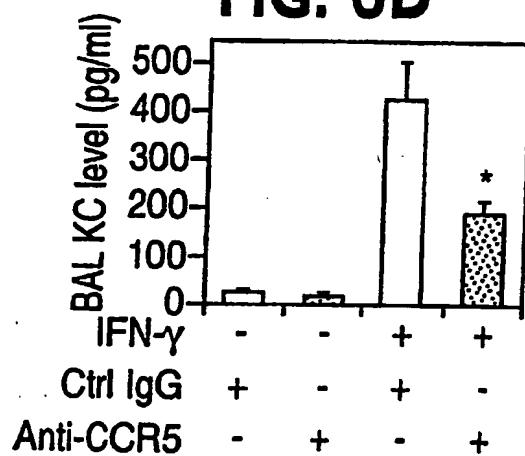
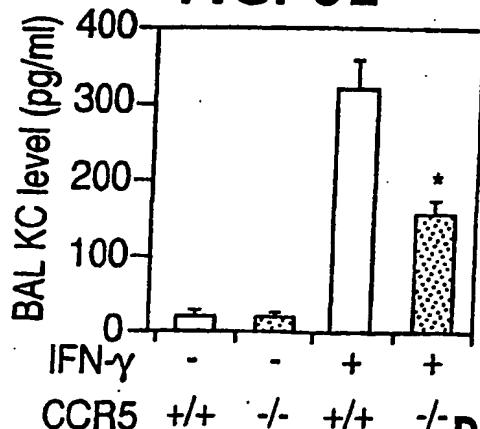
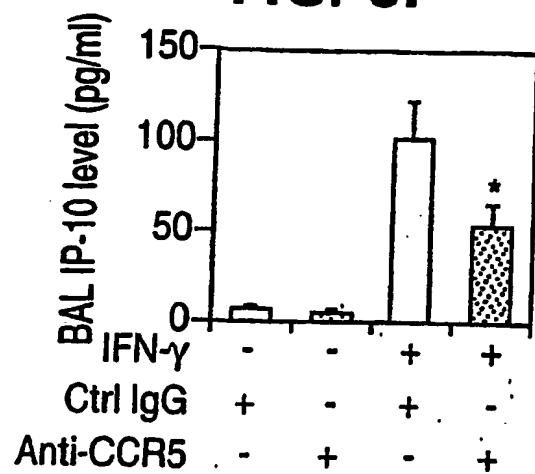
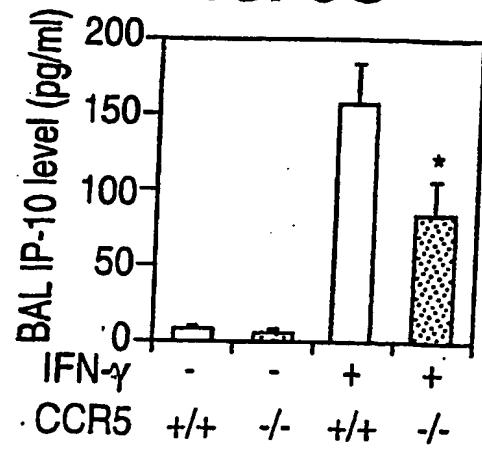
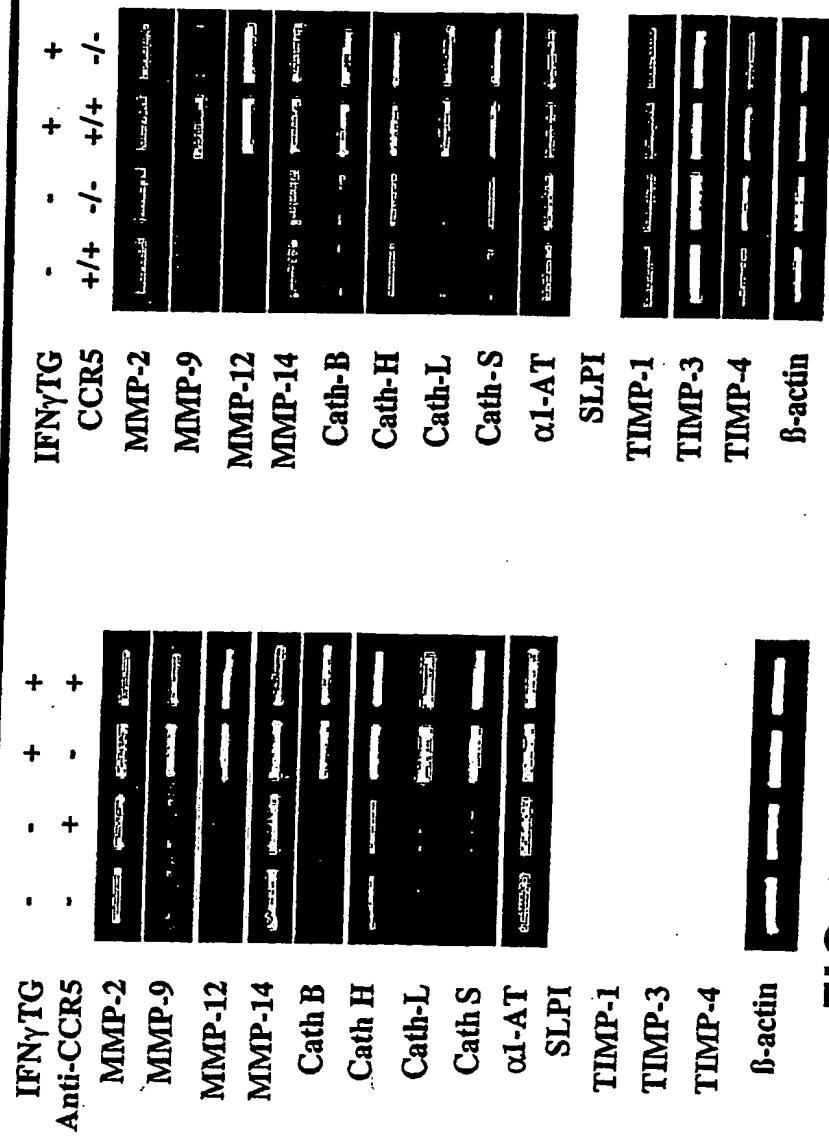
FIG. 6C**FIG. 6D****FIG. 6E**

FIG. 6F**FIG. 6G****BEST AVAILABLE COPY**

**Proteinase and anti-proteinase after blocking
and null mutation of CCR5 in IFN- γ mice**

**FIG. 7A****FIG. 7B****BEST AVAILABLE COPY**

TUNEL Staining in IFN- γ Mouse Lung after blocking and null mutation of CCR5

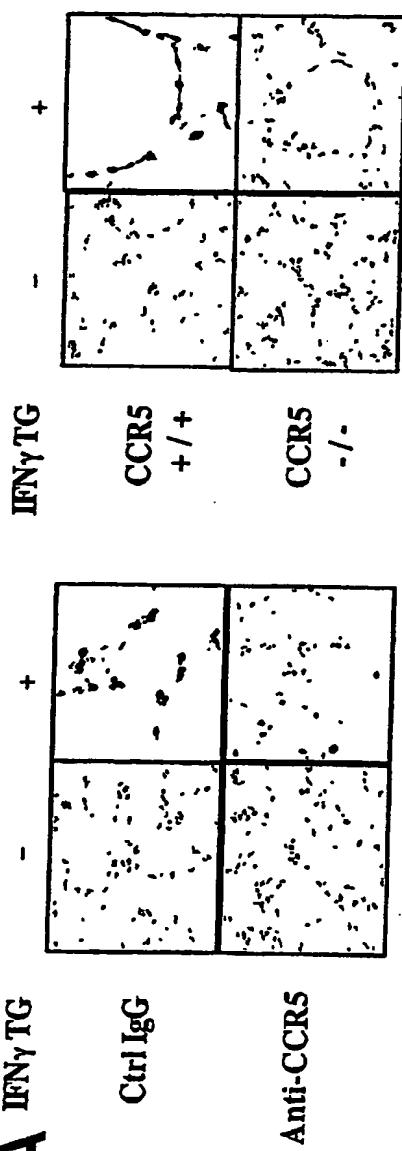
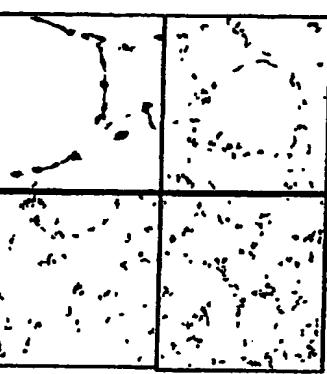
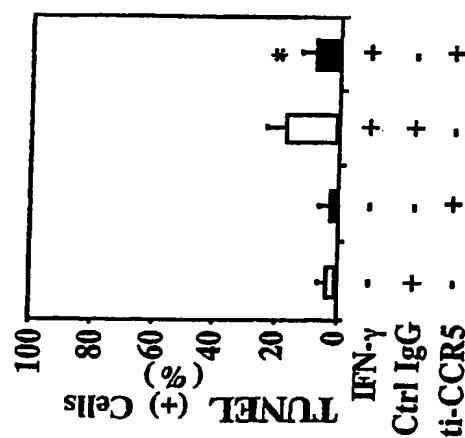
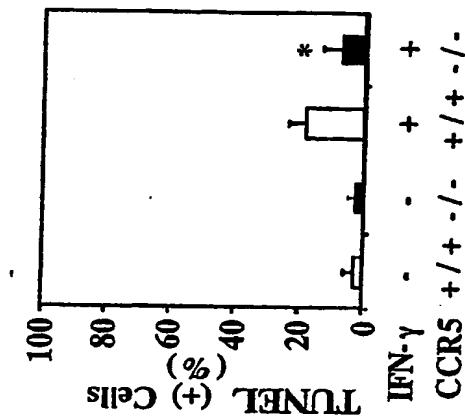
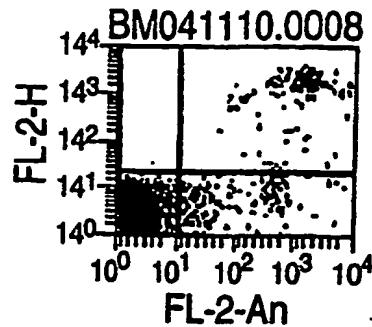
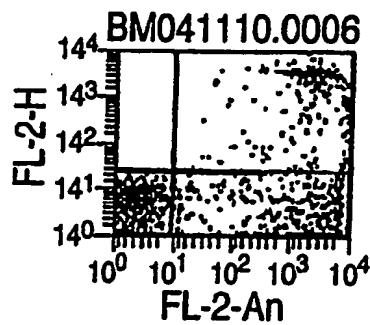
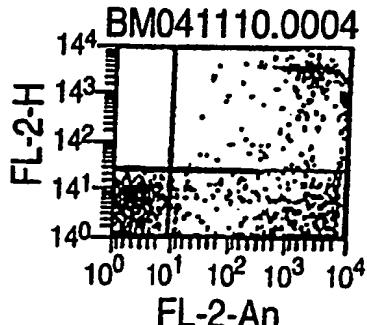
FIG. 8A**FIG. 8B****FIG. 8C****FIG. 8D**

FIG. 8E

	<u>QUAD EVENTS</u>	<u>% GAINED</u>	<u>TOTAL</u>
UL	0	0.00	0.00
UR	202	2.15	2.02
LL	0666	95.08	60.65
LR	109	2.14	1.99

FIG. 8F

	<u>QUAD EVENTS</u>	<u>% GAINED</u>	<u>% TOTAL</u>
UL	0	0.00	0.00
UR	540	25.59	5.45
LL	923	45.97	9.23
LR	545	27.14	5.45

FIG. 8G

	<u>QUAD EVENTS</u>	<u>% GAINED</u>	<u>% TOTAL</u>
UL	7	0.12	0.07
UR	541	9.47	5.41
LL	41.96	73.45	41.98
LR	960	18.96	9.69

SUBSTITUTE SHEET (RULE 26)

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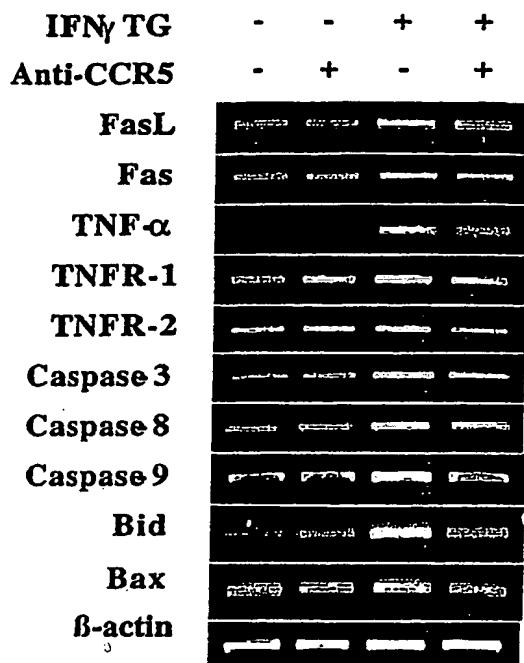
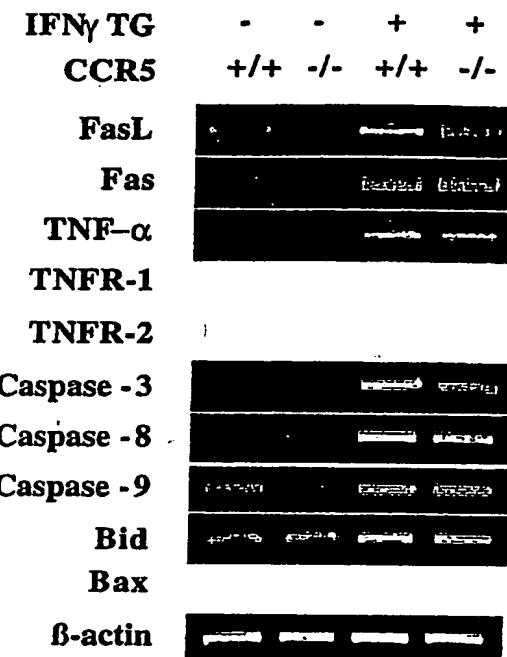
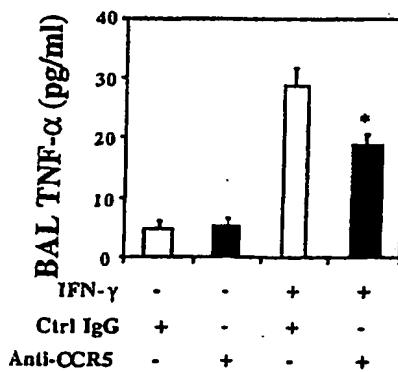
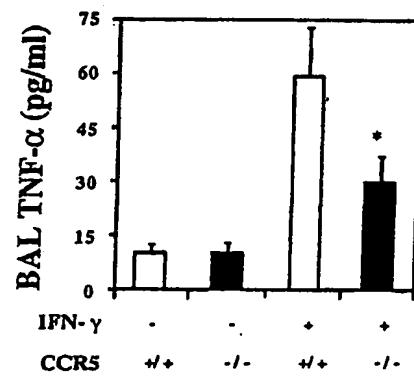
FIG. 9A**FIG. 9D****FIG. 9B****FIG. 9E**

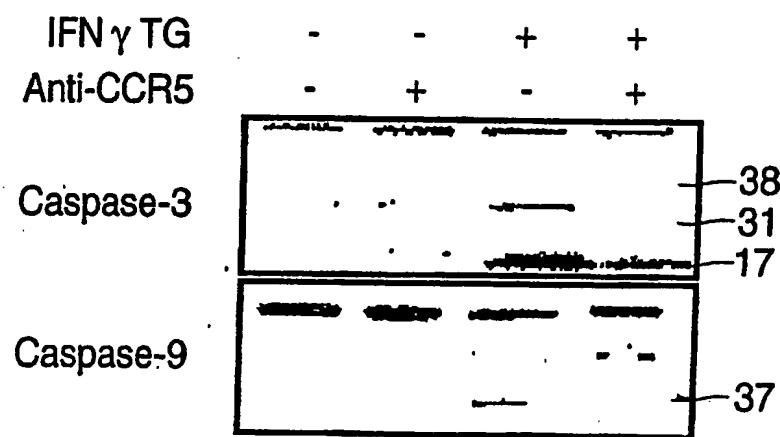
FIG. 9C

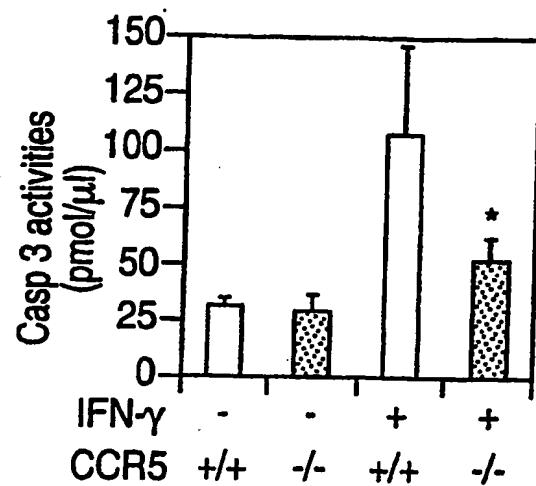
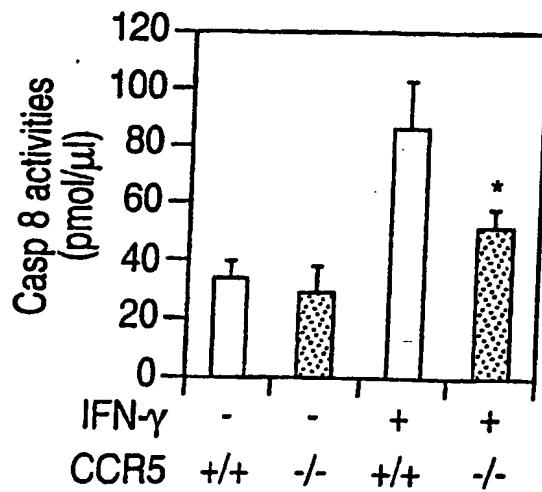
FIG. 9F**FIG. 9G**

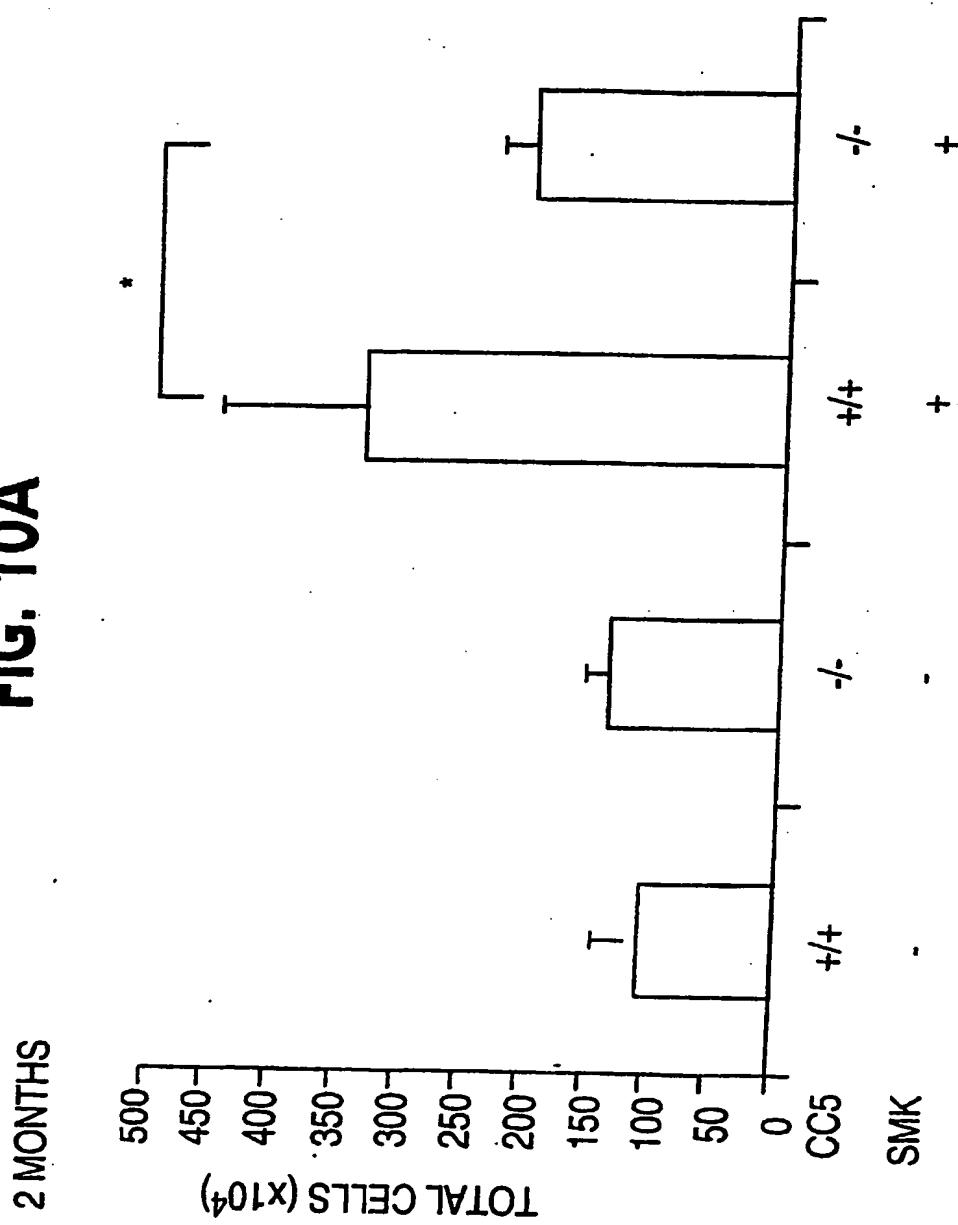
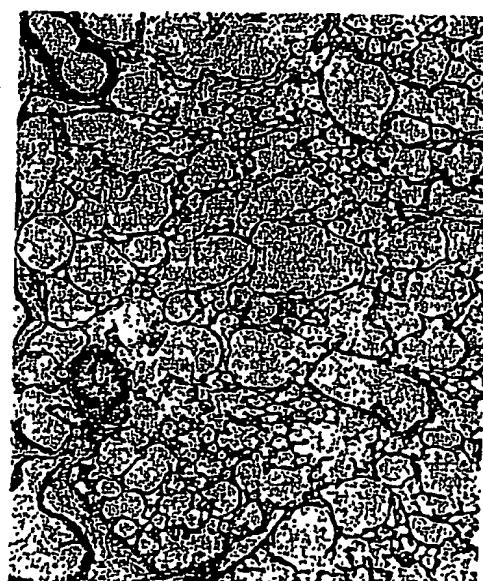
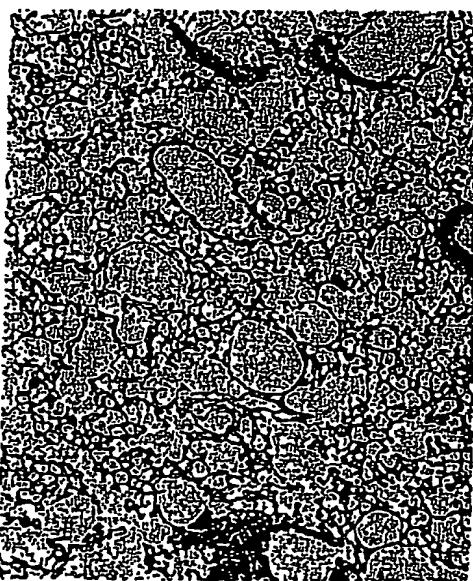
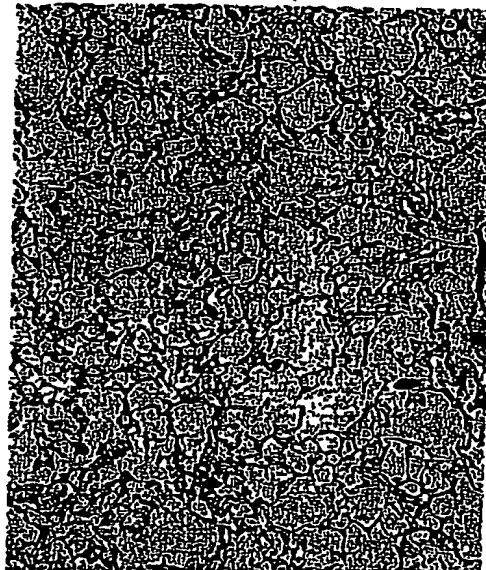
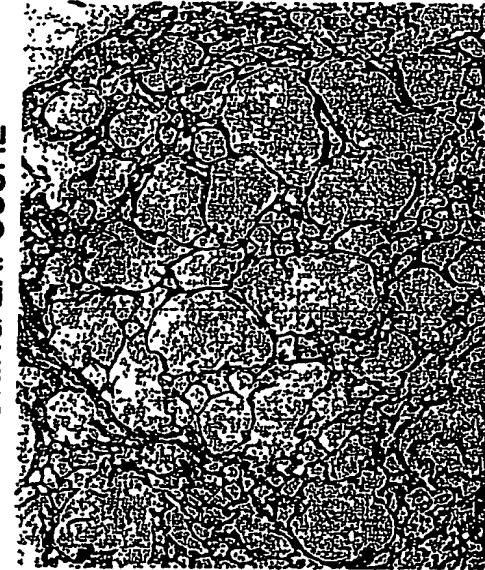
FIG. 10A

FIG. 10B

HISTOLOGY (H&E) AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE SMOKING EXPOSURE



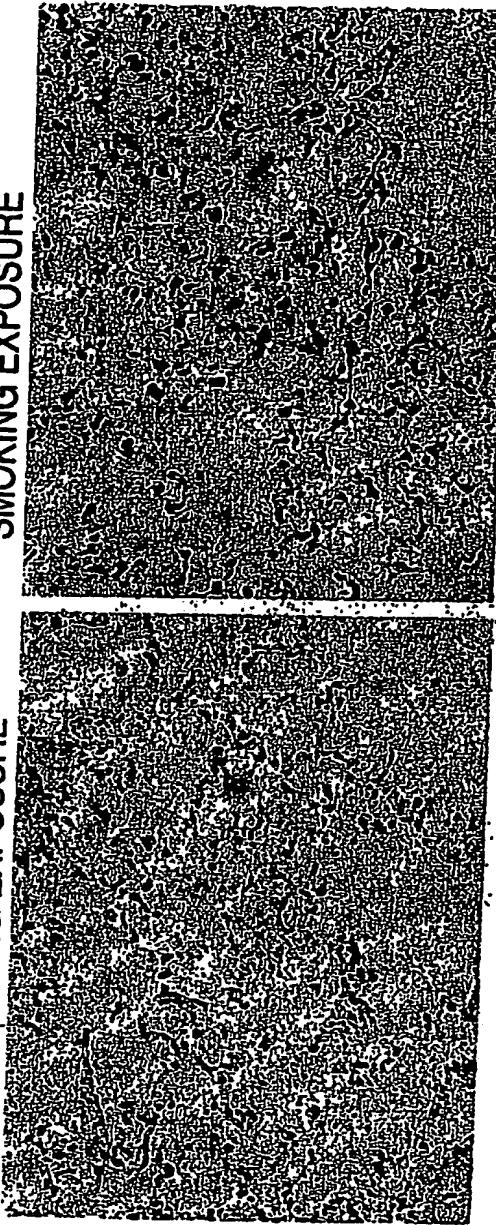
CCR5 +/+

CCR5 -/-

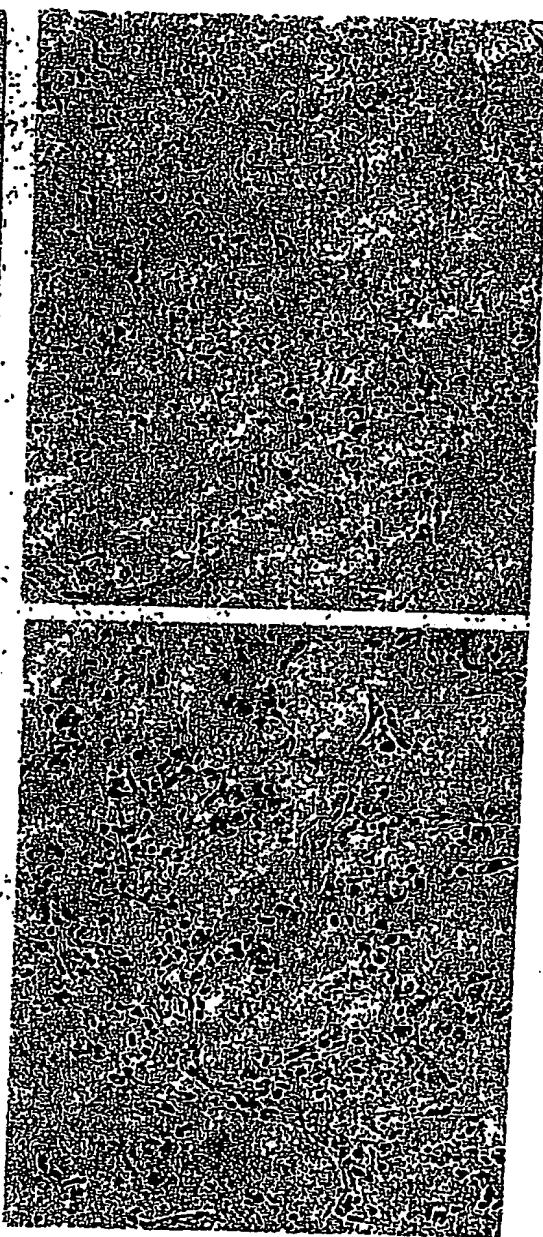
FIG. 10C

TUNEL STAINING FOR APOPTOSIS AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE



CCR5 +/+



CCR5 -/-

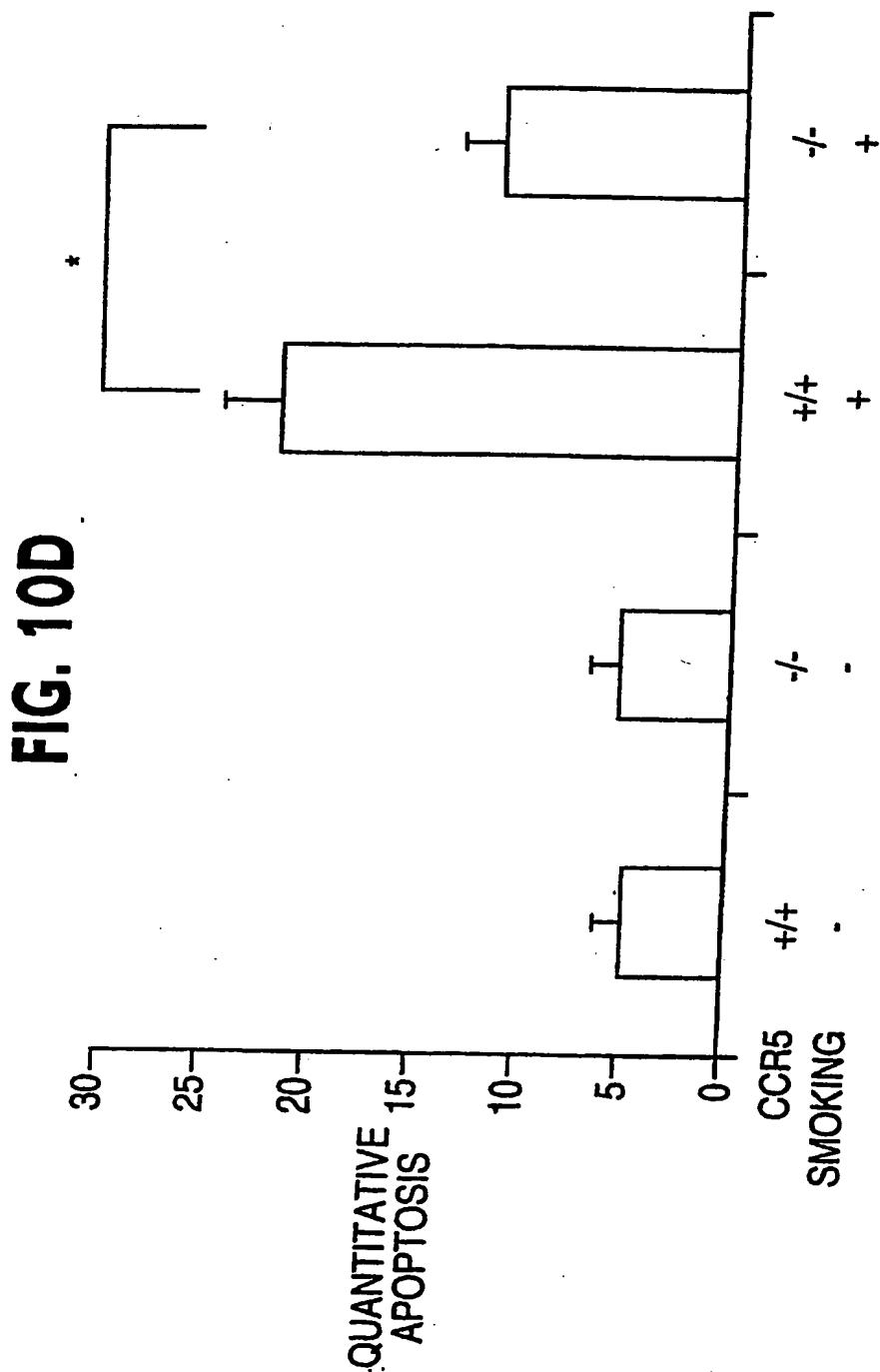
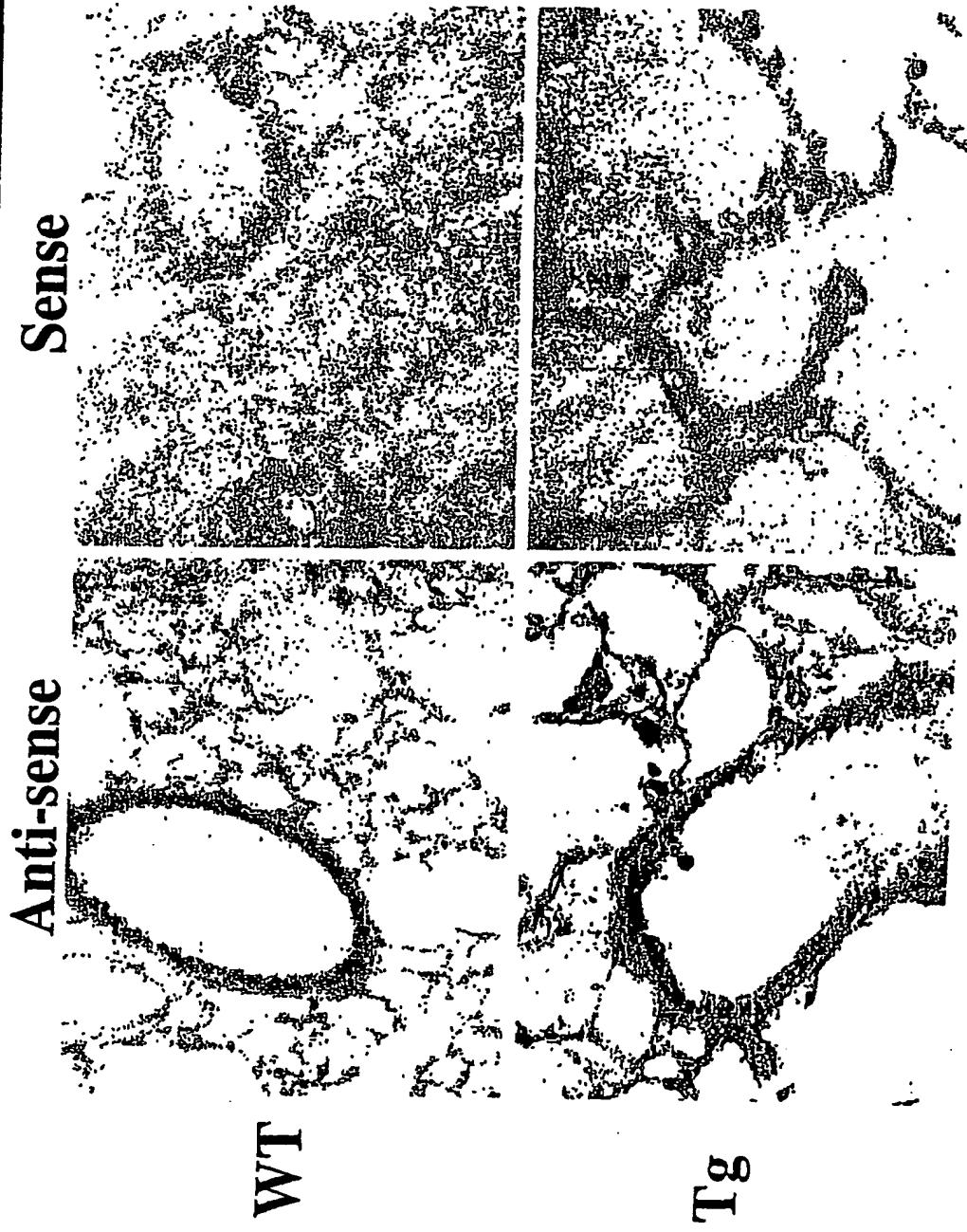
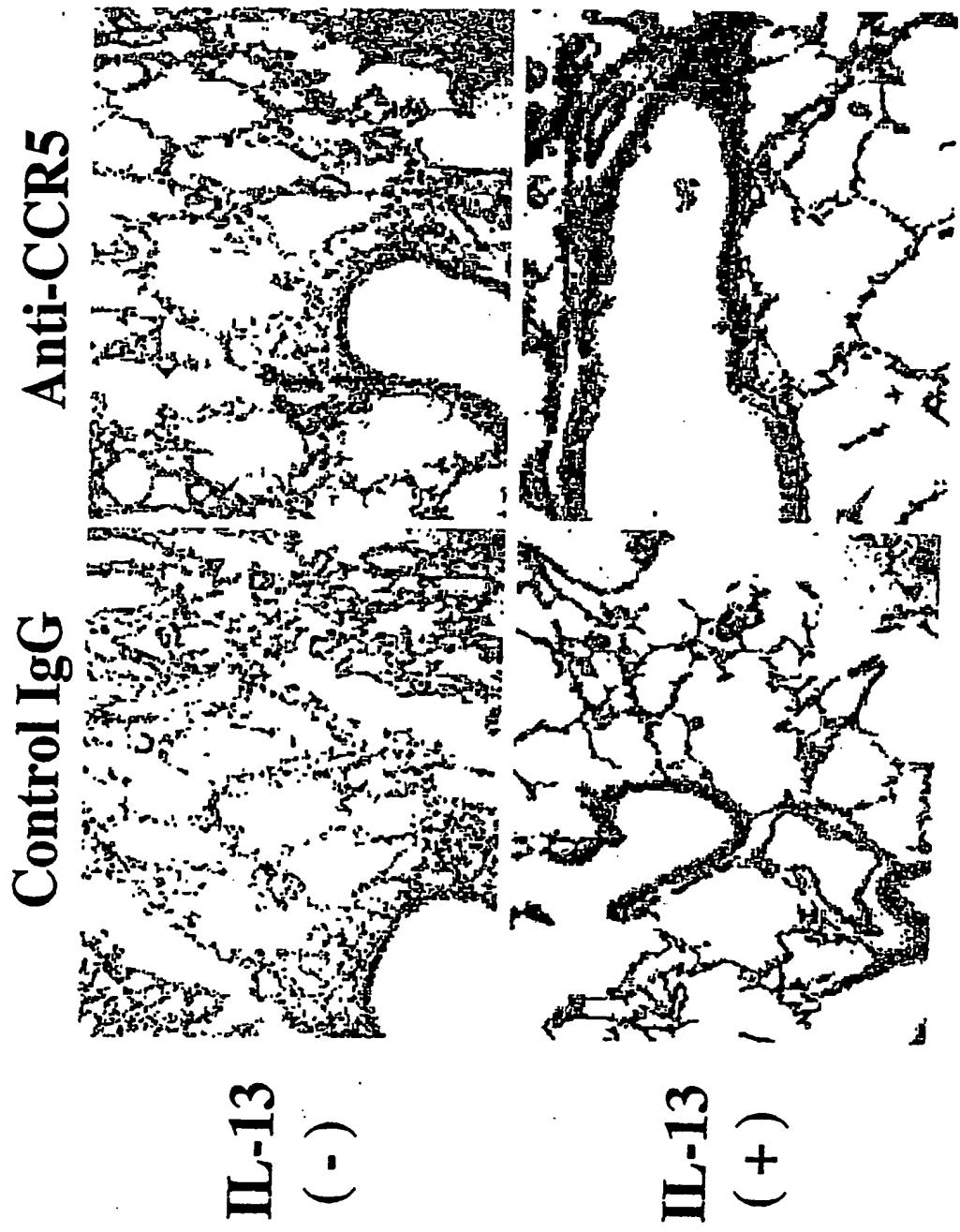


FIG. 11
CCR5 ISH in CC10-II-13 Mouse Lung



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FIG. 12
CCR5 IHC in CC10-IIl-13 Mouse Lung



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FIG. 13**Lung Volume of IL-13 Mice After block and null mutation of CCR5**

Ctrl IgG	+	-	+	-
Anti-CCR5	-	+	-	+
IL-13	-	-	+	+

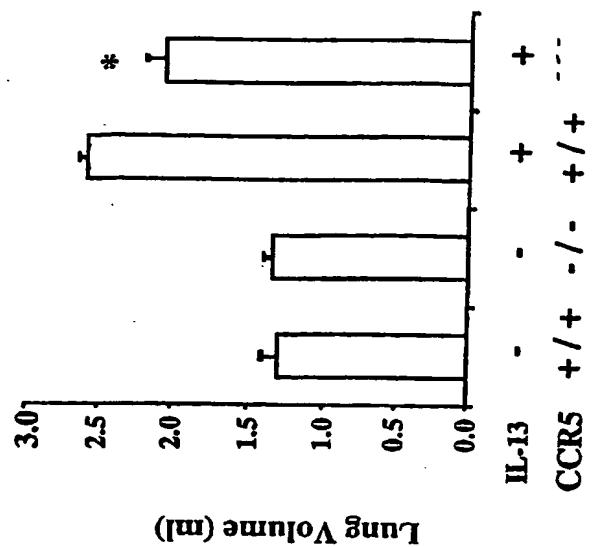
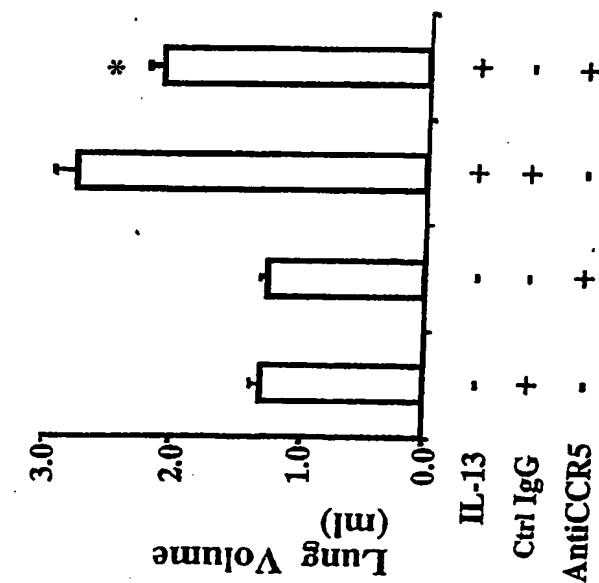
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FIG. 14A BAL total cell and differential of iIL-13 mice after block and null mutation of CCR5

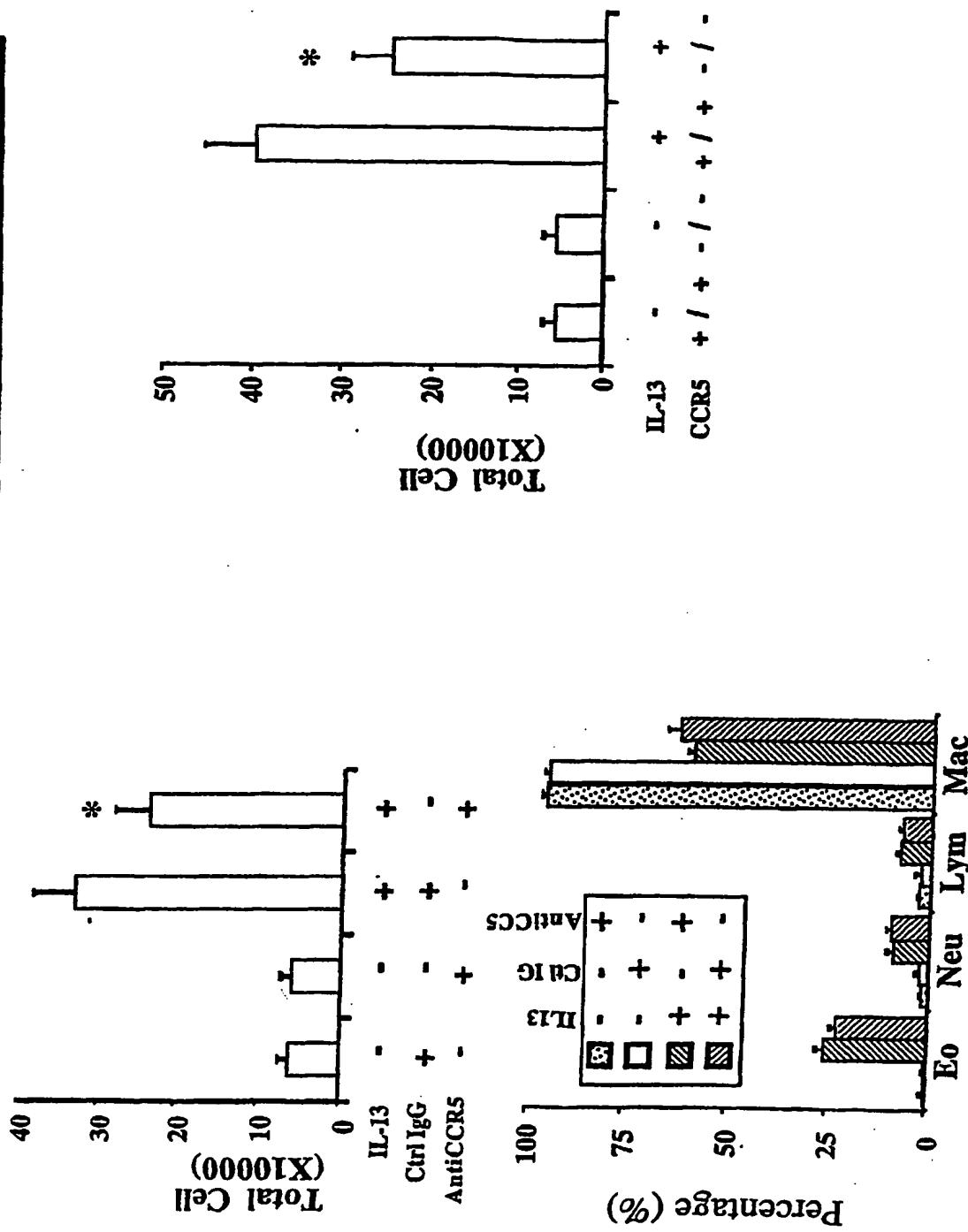


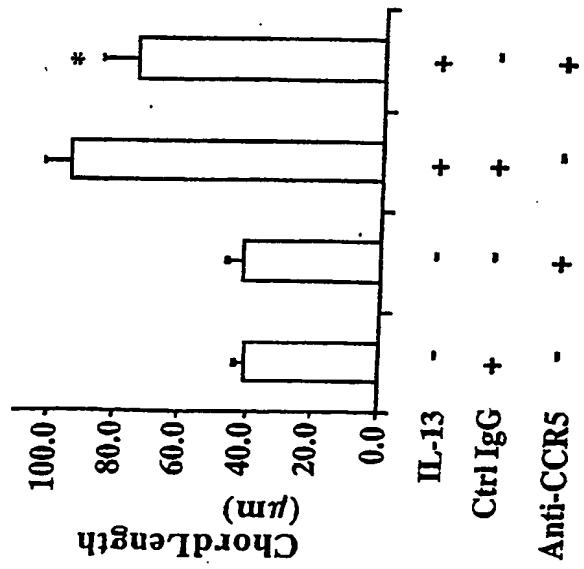
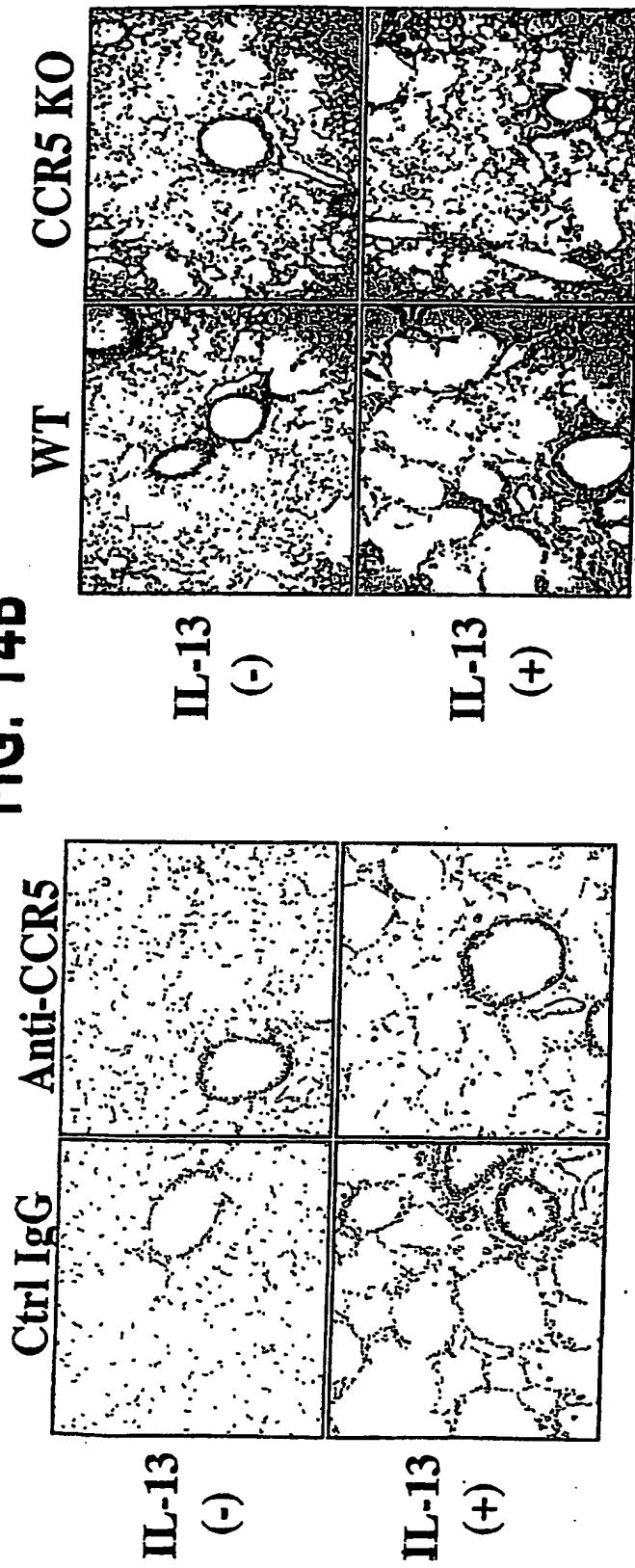
FIG. 14B

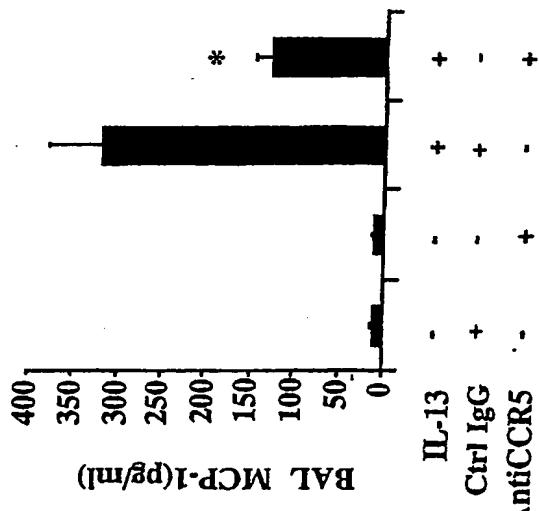
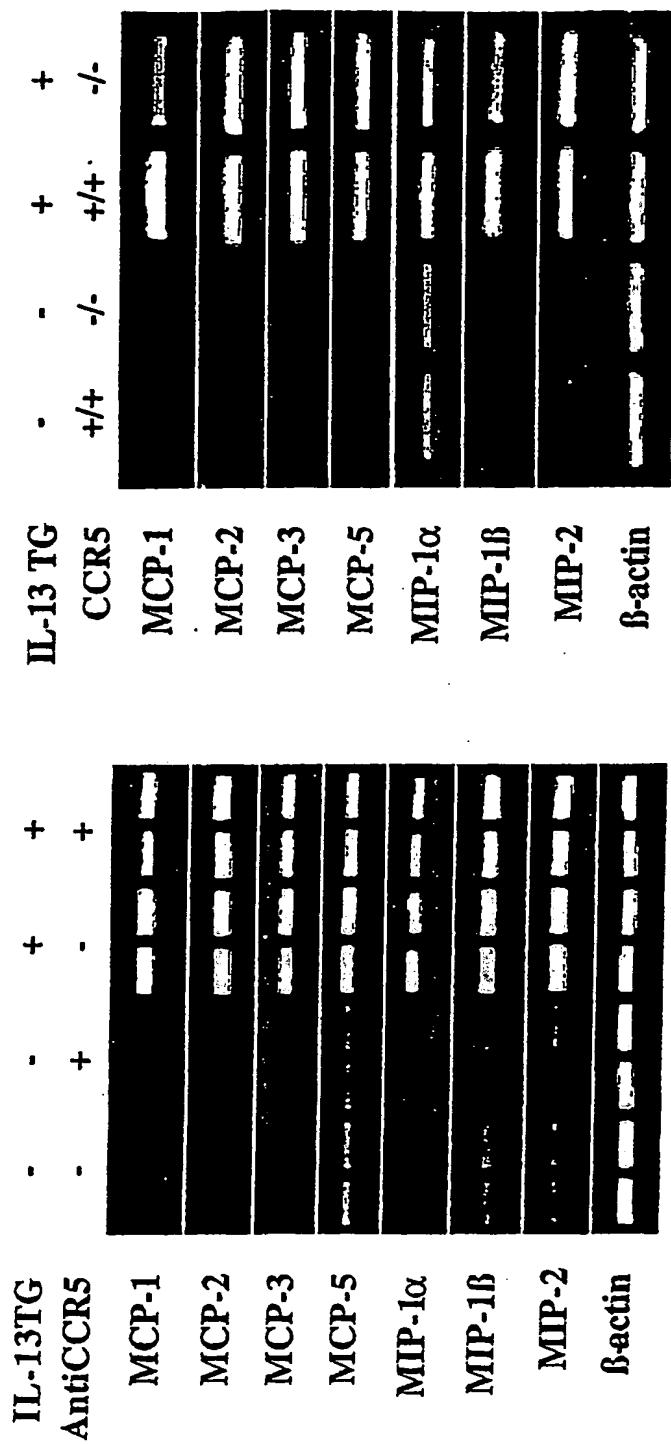
FIG. 15

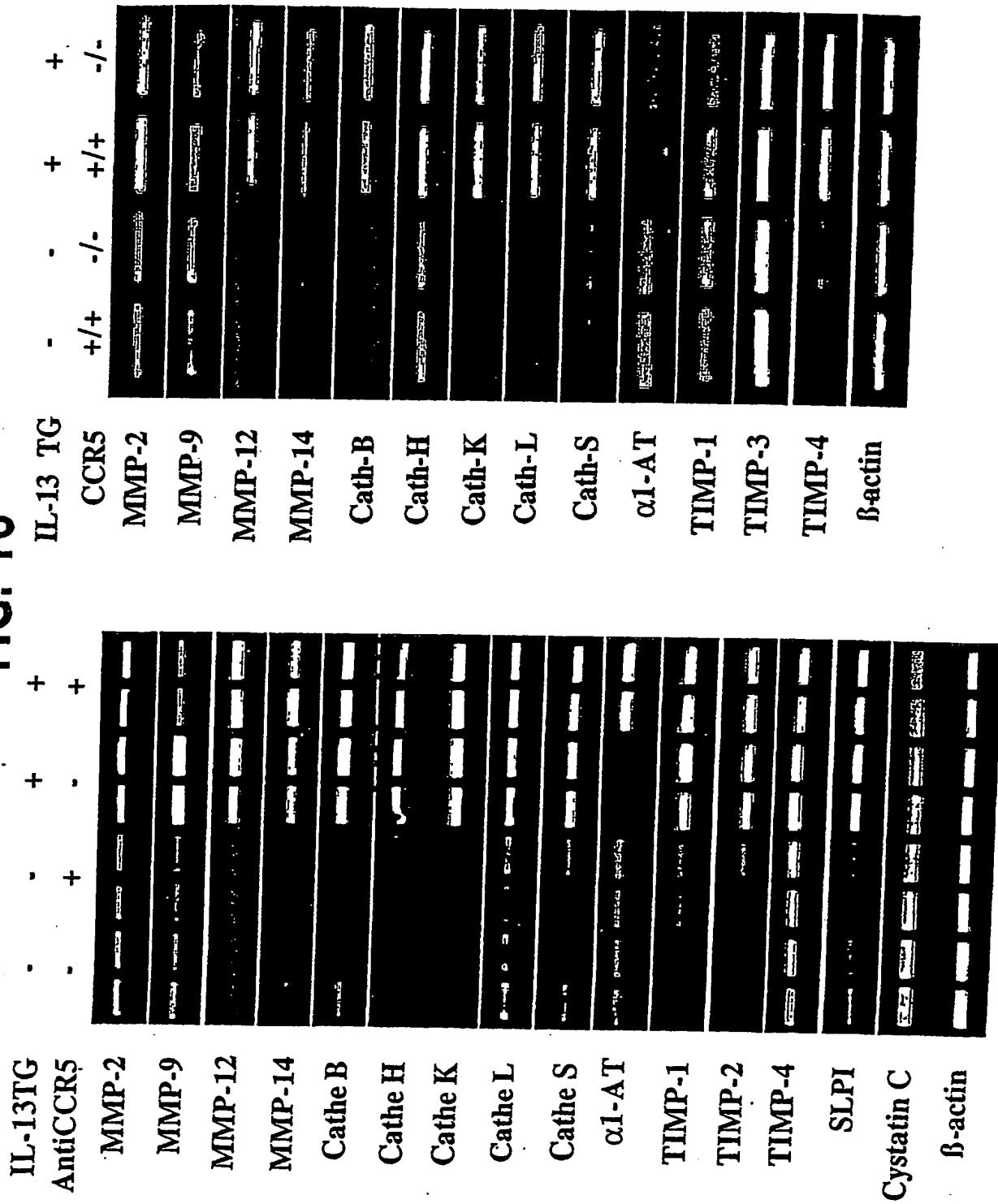
FIG. 16

FIG. 17

BAL IL-13 Level of iIL-13 mice treated with Anti-CCR5 antibody

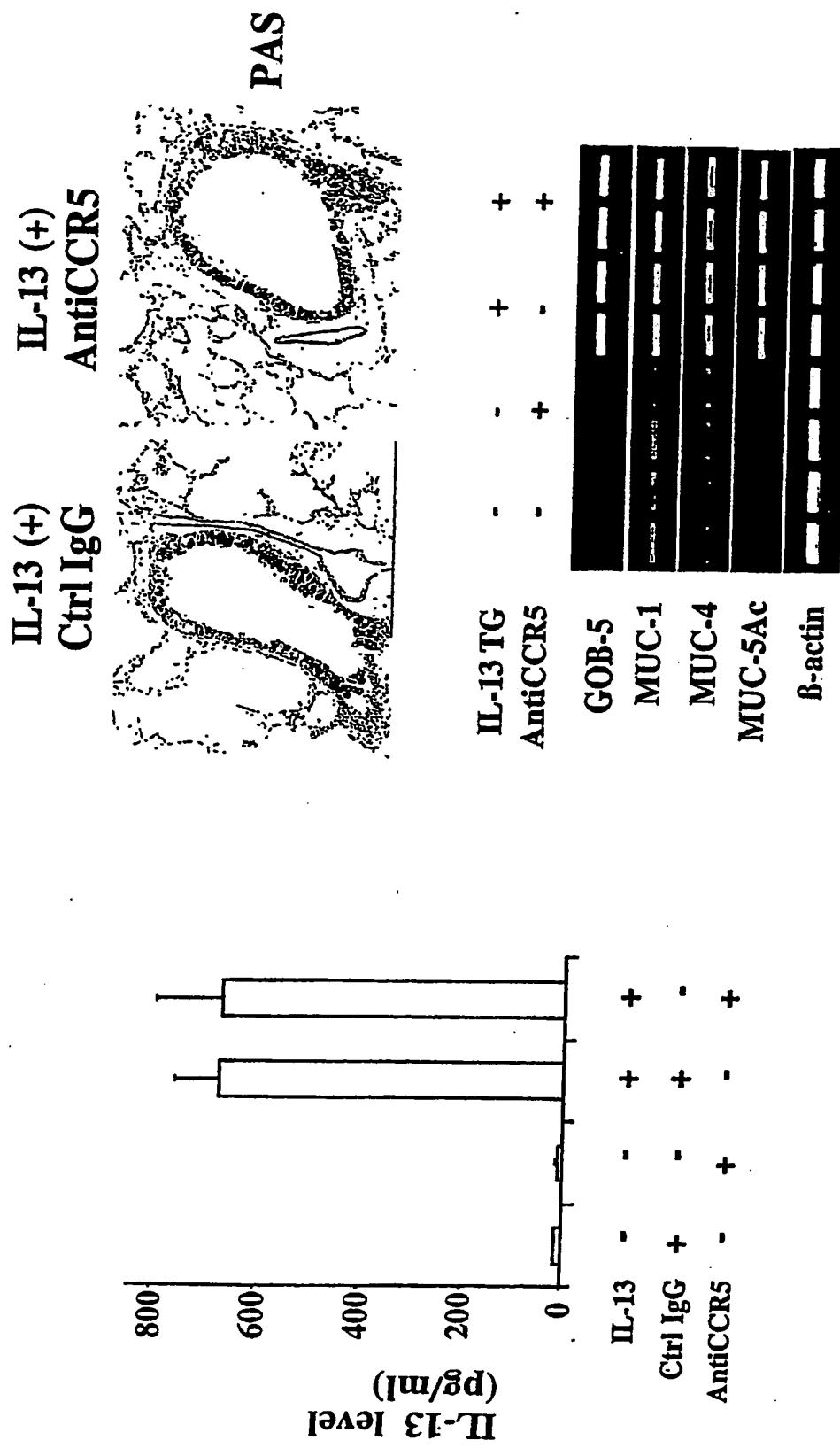


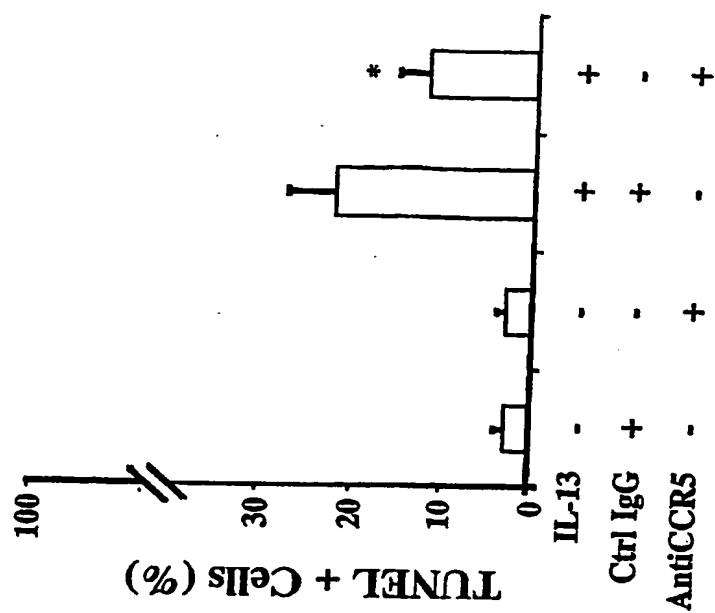
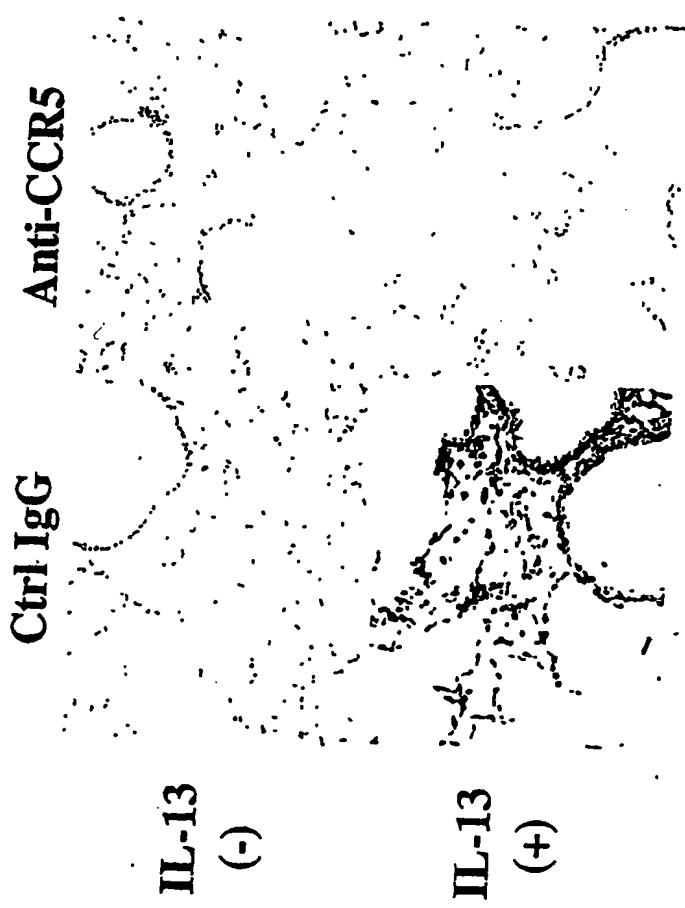
FIG. 18**TUNEL Staining in iIL-13 Mouse Lung****BEST AVAILABLE COPY**

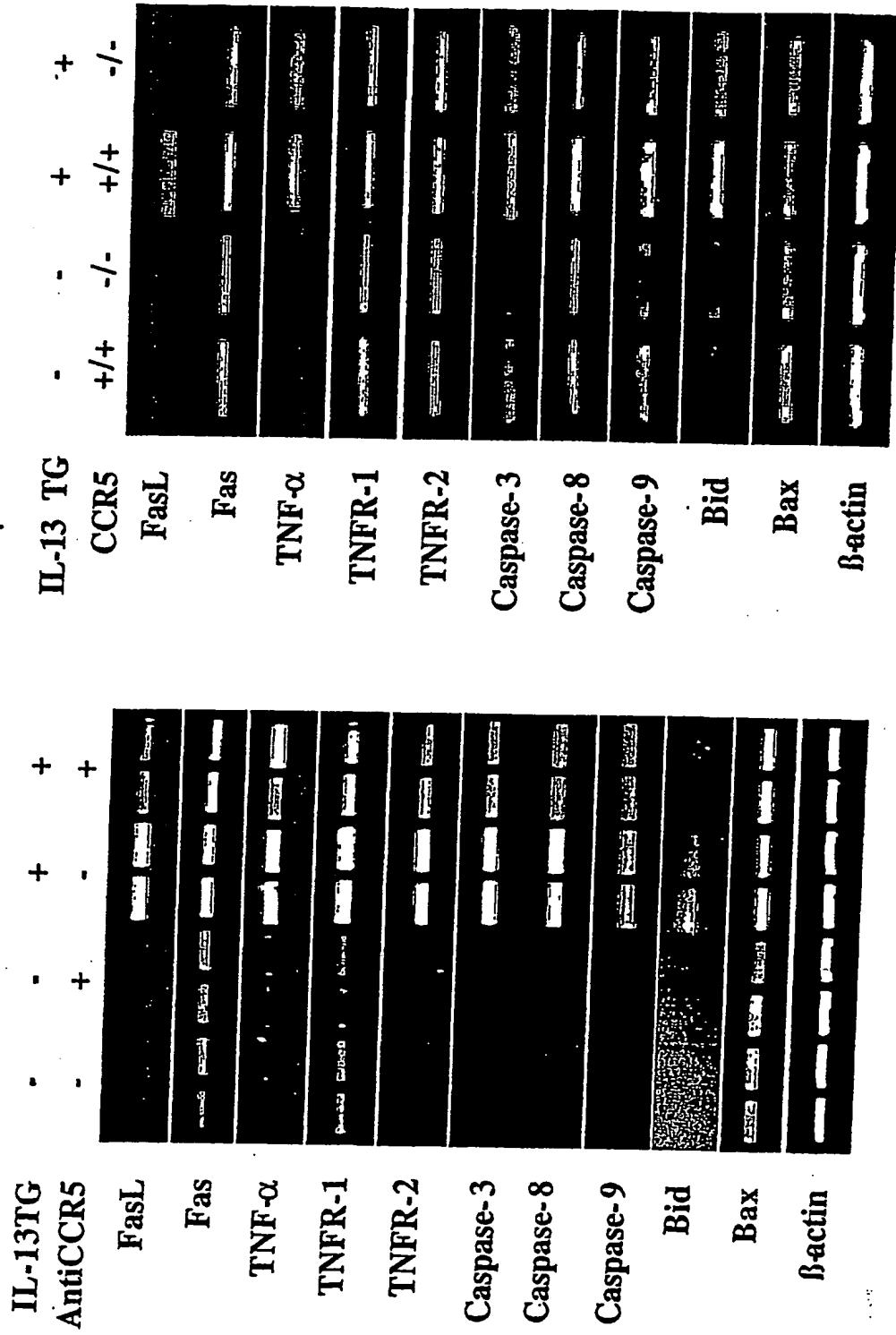
FIG. 19

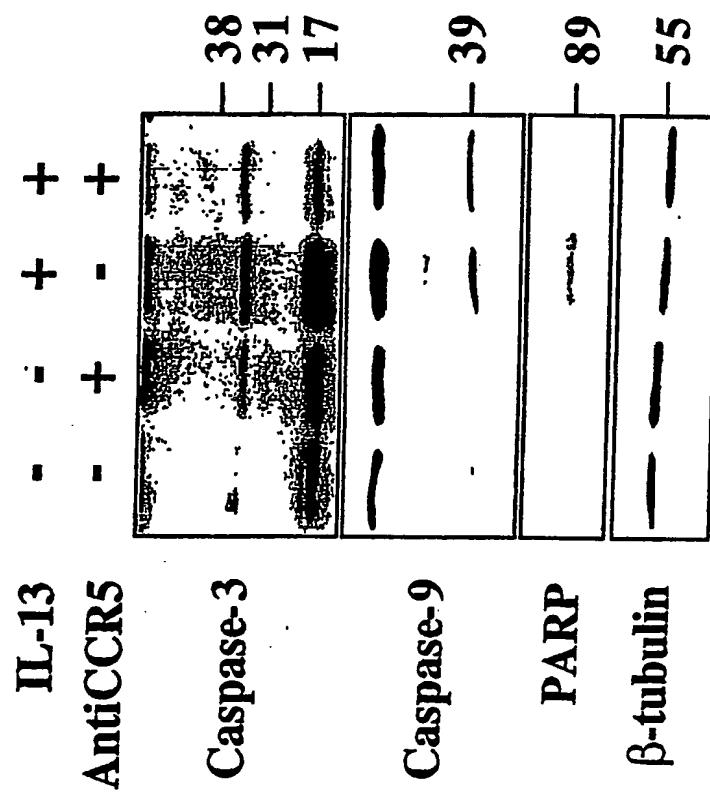
FIG. 20**Western Blot Detecting Apoptotic Factors in
IL-13 Transgenic Mouse Lungs****BEST AVAILABLE CO**

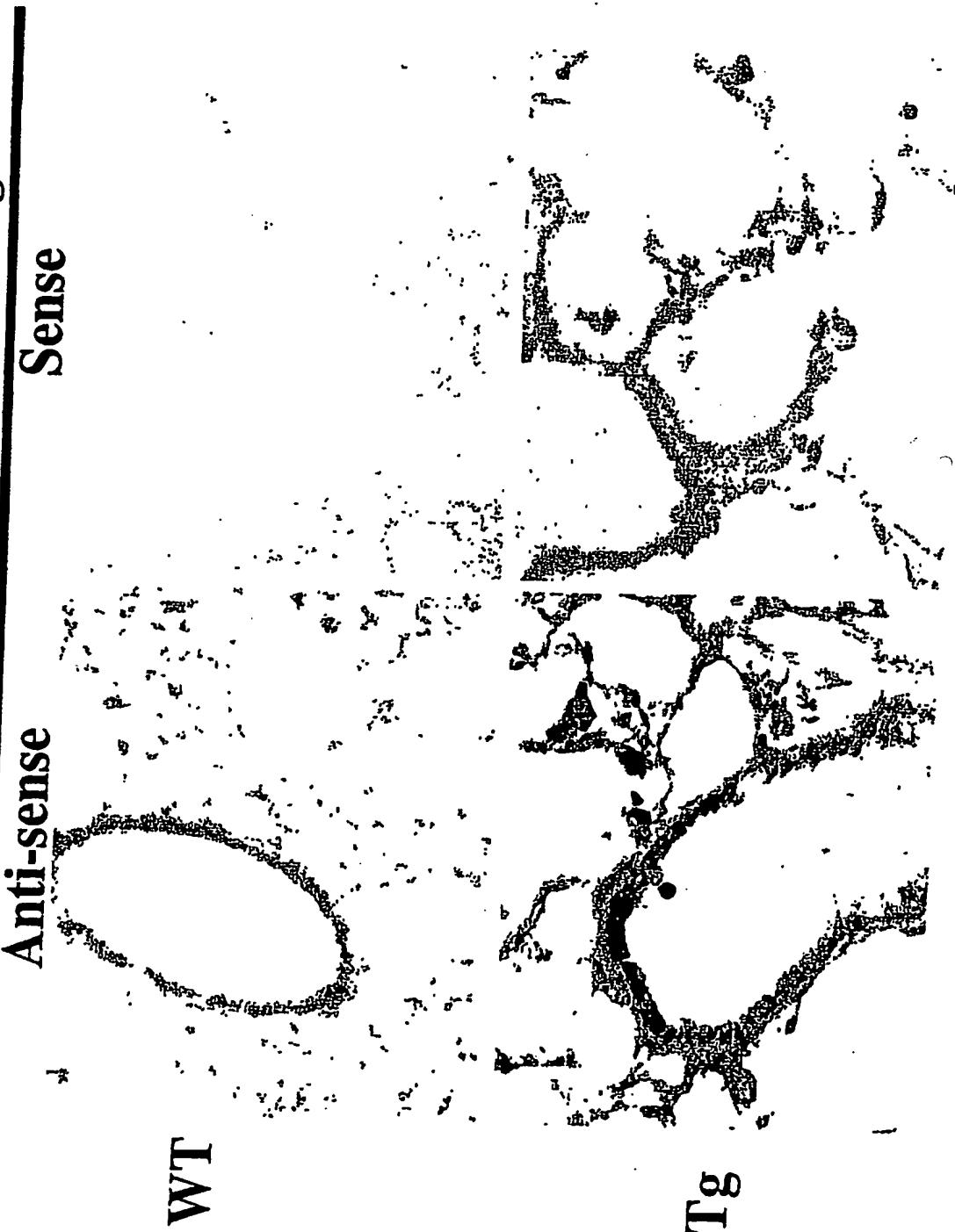
FIG. 21**CCR5ISH in CCl0-IL-13 Mouse Lung**

FIG. 22**CCR5 IHC in CC10-IL-13 Mouse Lung****Anti-CCR5****Control IgG****IL-13
(-)****IL-13
(+)****BEST AVAILABLE COPIE**

FIG. 23

Caspase Activities of CCR5ko/IL-13

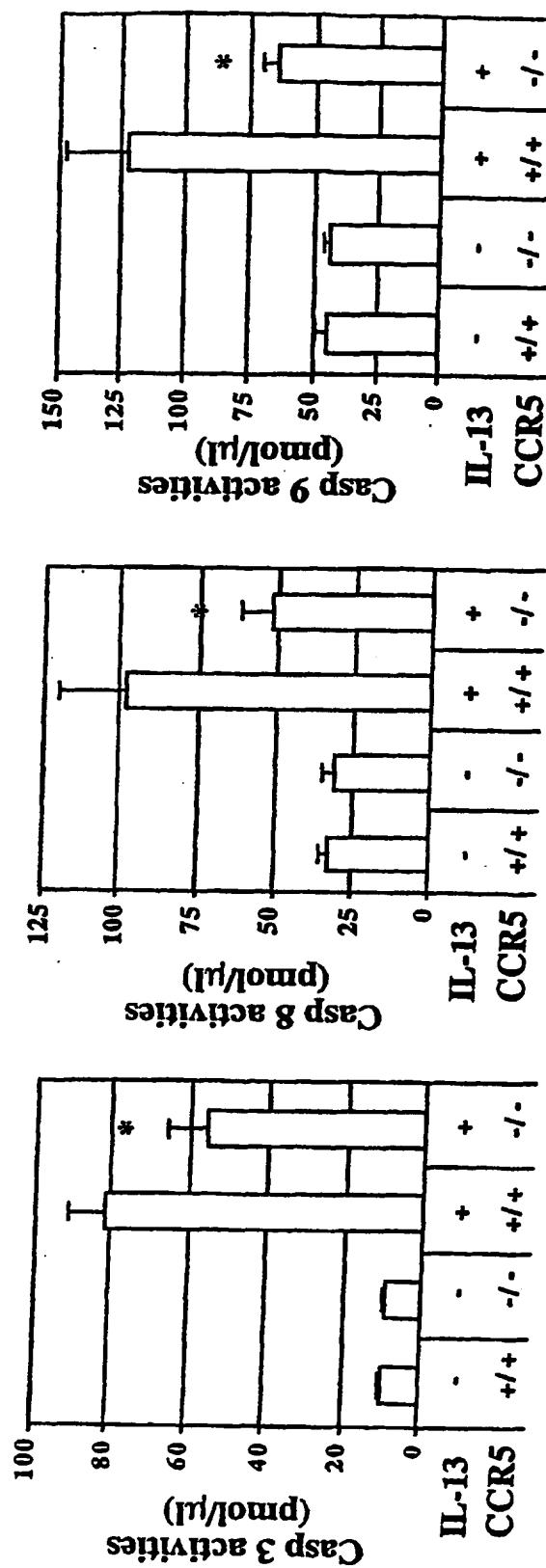


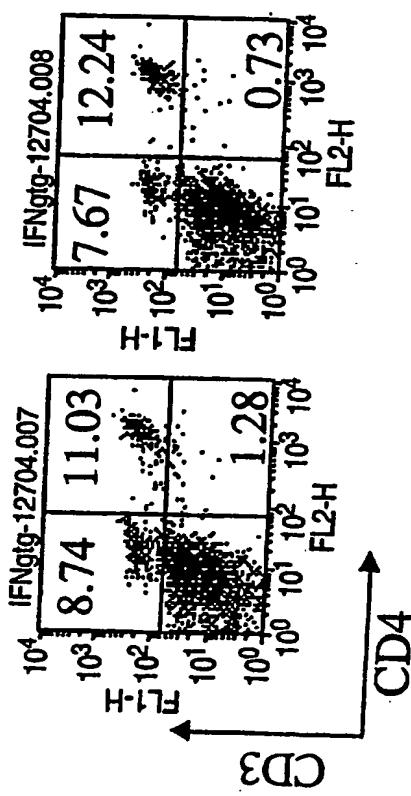
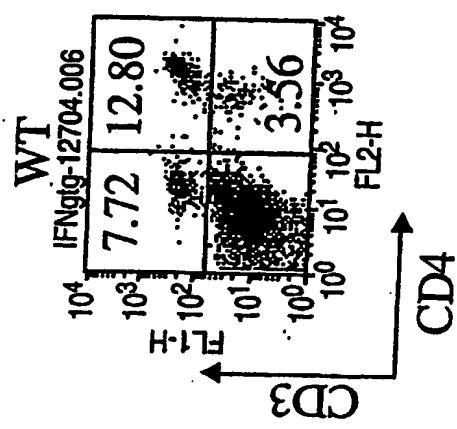
FIG. 24**CD4+ Cells in CC10-IFN- γ Mouse Lung****CD4+ cells**

FIG. 25

CD8+ Cells in CC10-IFN- γ Mouse Lung

CD8+ cells

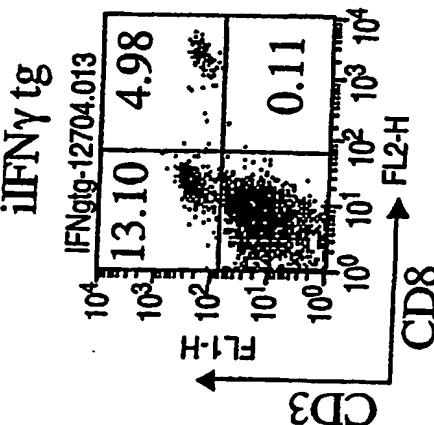
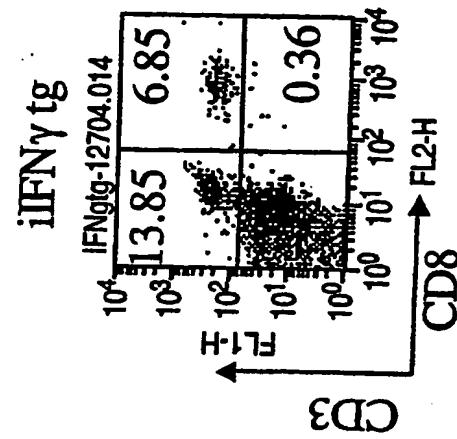
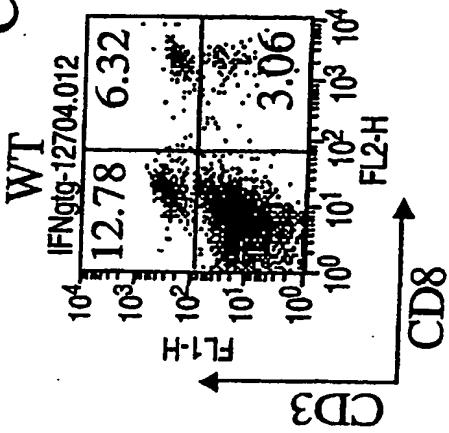


FIG. 26
NK Cells in CC10-IFN- γ Mouse Lung

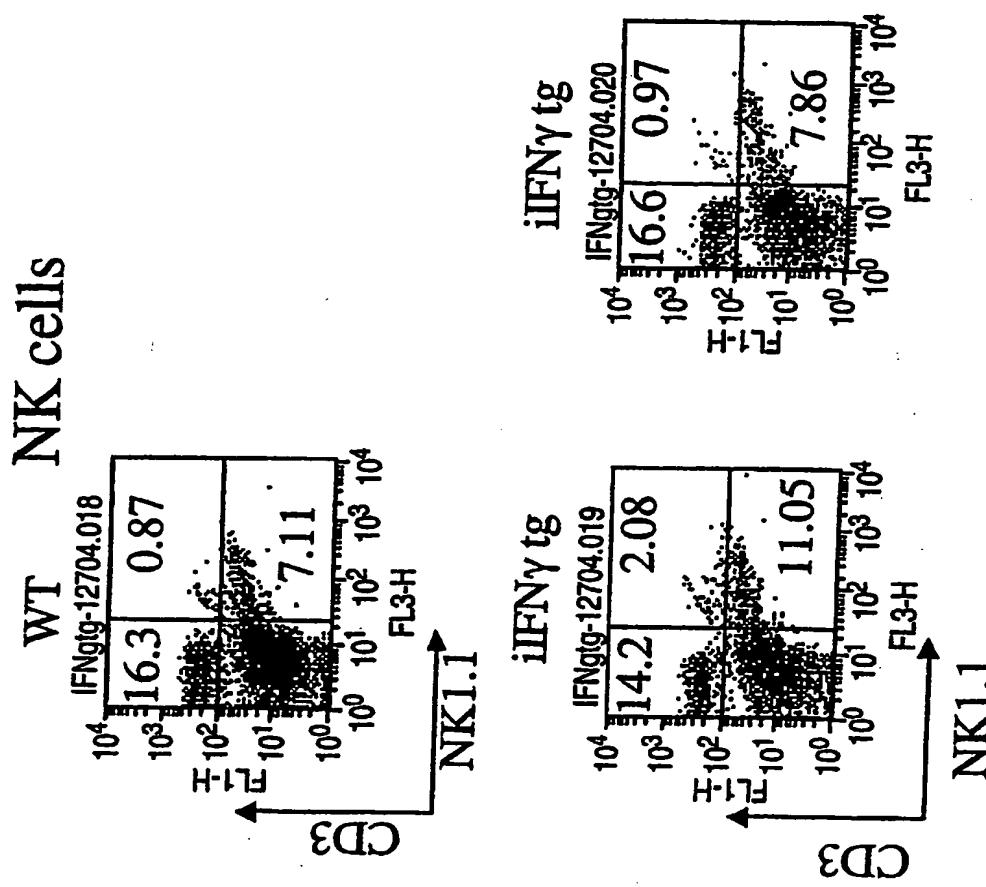
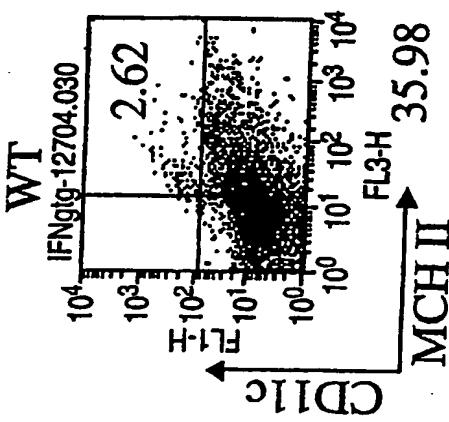
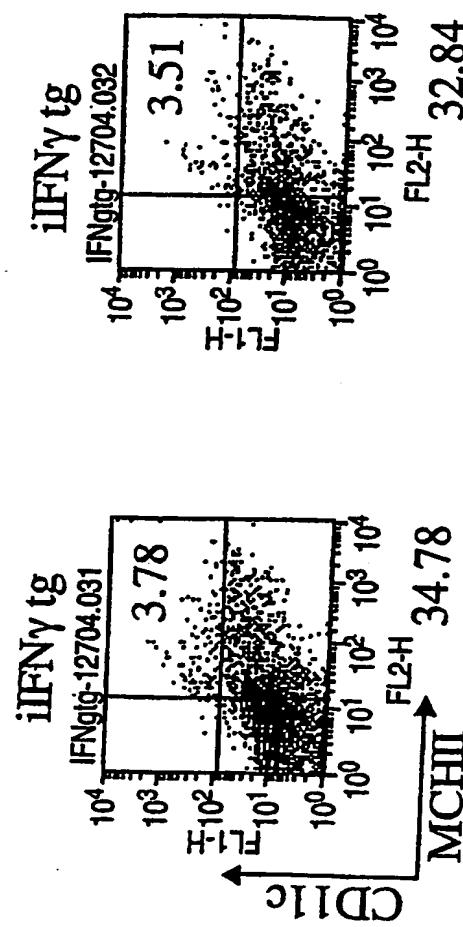


FIG. 27**DC Cells in CC10-IFN- γ Mouse Lung****DC cells****iIFN γ tg****BEST AVAILABLE COPY**